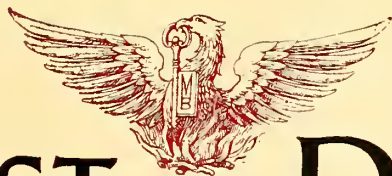




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The



CHEMIST AND DRUGGIST

Established 1859

28 Essex Street, Strand, London, W.C.2.

Registered as a Newspaper

No. 2704
VOL. CXV.

DECEMBER 5, 1931

Annual Subscription (with
Diary) 20/-. Single Copies 9d.

HOWARDS

BUY
BRITISH

for All-British FINE CHEMICALS

*The
NEW
QUININE
SALT*

Quinisan

BRAND OF
QUININE
BISALICYLOSALICYLATE

*A remarkable remedy
and prophylactic for*
**COLDS
INFLUENZA**
, ETC ,

HOWARDS & SONS Ltd
ESTD 1797
ILFORD

SPECIAL LINES

AGOTAN
SYNTHETIC
CAMPHOR
LACTIC ACID
CALCIUM
LACTATE
HYDROGEN
PEROXIDE
SYNTHETIC
MENTHOL
THYMOL
PARALDEHYDE
OPTOCHIN
TABLETS and
PACKED LINES

ACID BORIC
BISMUTHS
MERCURIALS
QUININES
SALICYLATES
ASPIRIN
CITRATES
BROMIDES
IODIDES
TABLETS
SODA TART.
EPSOMS and
GLAUBERS

"Ye Oldeste Essence Distillers"

W. J. BUSH & CO.

LIMITED

BUSH Specialities

**BUY . . .
BRITISH**

ACETANILIDE B.P.

ASPIRIN B.P. "FRE-FLO" Brand

BENZOIC ACID B.P.

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METHYL SALICYLATE B.P.

SALICYLIC ACID B.P.

SODIUM BENZOATE B.P.

SODIUM SALICYLATE B.P.

THYMOL B.P.

Tel. Ad.: "TANGERINE, LONDON."

Tel. No.: CLISSOLD 0461 (5 lines)

CHIEF OFFICES

Ash Grove, Hackney, London, E.8

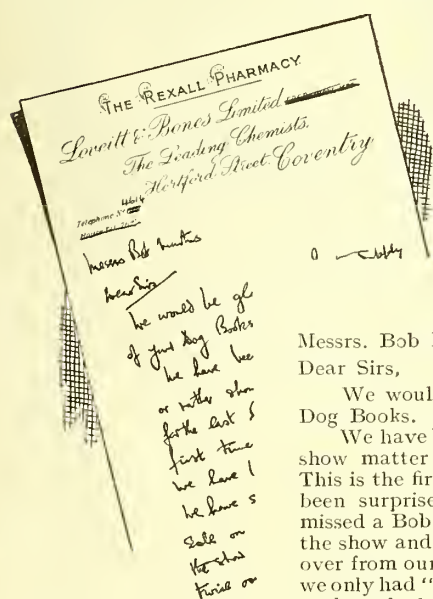
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MITCHAM, Surrey

WIDNES, Lancashire

BRANCHES at - - GRASSE, MESSINA, MELBOURNE, SYDNEY
NEW YORK, CHICAGO, MONTREAL, TORONTO, JOHANNESBURG

Read what a Bob Martin display did for a Coventry Pharmacy



—proof, surely, that you are losing sales if you are not displaying Bob Martin preparations in your window.

Loveitt & Bones Limited,
The Leading Chemists,
Hertford Street, Coventry.

Messrs. Bob Martin Ltd.,

Dear Sirs,

We would be glad of a further supply of your Dog Books.

We have been showing your preparations or rather show matter in our window for the last fortnight. This is the first time we have done this and we have been surprised at the results. We have scarcely missed a Bob Martin sale on any day since putting in the show and we had to order two or three lines twice over from our wholesalers last week. Two weeks ago we only had "condition powders" in stock—since then we have had to increase our stock to about eight lines of yours.—Yours faithfully,

pp. Loveitt & Bones Limited,

A. D. PENNY.

THIS letter is characteristic of the big sales increases experienced by Pharmacists, in all parts of the country, who are displaying Bob Martin preparations in their windows. Bob Martin displays can do the same for you.

The Bob Martin Winter Advertising campaign is the largest ever placed in the history of dog medicine advertising. In one month **alone** over ninety-two million (92,000,000) impressions of Bob Martin advertisements were printed and circulated.

To use the Bob Martin display material issued to support this huge campaign is to make sure of attracting your full share of the business, which is increasing everywhere. If your own sales are not steadily growing, dog owners in your district are buying their Bob Martin preparations elsewhere.

Consistent users of Bob Martin preparations are ready to buy **now**—a Bob Martin display in your window will remind them that they need go no further than your Pharmacy.

Here is a source of steadily increasing profit for you . . . can you afford to neglect it?



BOB MARTIN LTD., Dog Food and Medicine Manufacturers, SOUTHPORT, Eng.



"Glymiel" Jelly

It will pay you to see that your stocks of this profitable line are adequate to meet the heavy Winter demands.

We are again running a big advertising campaign all through the Winter Season. With this advertising, sales are bound to be very heavy.

Every cold snap will send your sales up rapidly, and we shall be pleased to supply show-cards for your window if you will kindly ask us for same.

Write for particulars of Window Display bonus parcels showing nearly 50% profit.

OSBORNE, BAUER & CHEESEMAN

SOLE AGENTS :

SANGERS LTD.

258 EUSTON ROAD :: :: LONDON, N.W.1

A REVOLUTION IN FACE POWDER PRESENTATION

Saville's **June Beauty Powder**

IN THE NEW

ROLA NON-SPILL BOX

"BETTER THAN ANY SIFTER"

Yet another Saville invention which supplies an every-day need.

Here is a Handsomely Designed Bakelite Container fitted with an ingenious device for controlling the flow of powder—a convenience hitherto reserved to the few, now brought within the reach of all. Retailed at the popular inclusive price of 1/3.



SIMPLY DRAW THE PUFF ACROSS THE ROLLER

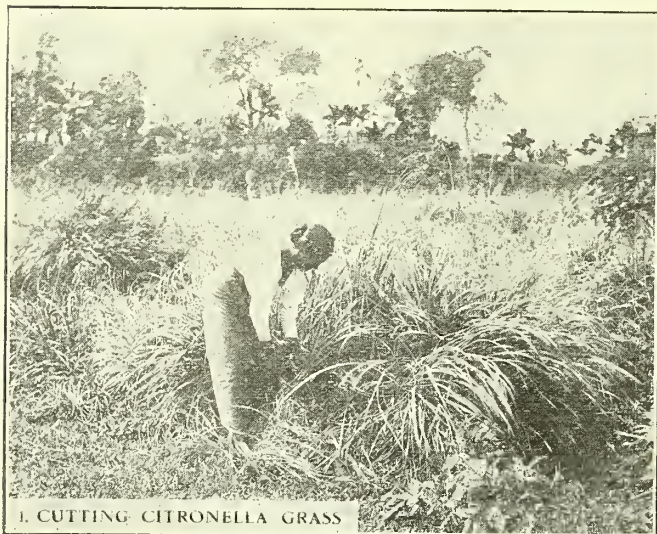
RETAIL 1/3 PER DOZ. 10/-

**FILLED READY FOR SERVICE
AND COMPLETE WITH PUFF**

TINTS : RACHEL, NATURELLE, BRUNETTE

SAVILLE PERFUMERY LIMITED - - WATFORD, HERTS

The Romance of Empire Drugs (16)



1. CUTTING CITRONELLA GRASS

(From the Imperial Institute Collection)

CITRONELLA OIL CEYLON, one of the two chief varieties known in commerce (the other being Citronella Java), is distilled from *Cymbopogon Nardus* (*Lana Batu grass*).

There is a tradition that Citronella was known to the ancients, but it has at least been in use for some centuries. Nicolaus Grimm, a physician in Colombo at the close of the 17th century, knew that the grass grew abundantly in the neighbourhood and that a volatile oil was distilled from it. Citronella is found wild in Ceylon only, being also cultivated there (Southern Ceylon). Cultivation has spread in recent years to the West Indies, the Seychelles, and the South Sea Islands, whilst it is said to occur in tropical East Africa.

The freshly cut grass is not used, as it yields an oil of disagreeable odour. Only well-dried grass is therefore distilled. Care has to be exercised in drying in order to avoid fermentation and decomposition. In general the grass is cut three but occasionally four times a year. About 60 or 70 lbs. of oil per acre are produced as an average yield. Owing to the necessity for a plentiful supply of cool water, the distilleries are usually located at the foot of a range of hills, where the desirable conditions obtain. Distillation is mainly in the hands of

CITRONELLA

CEYLON

Staff Allen & Sons

handle large quantities of Citronella Oil and manufacture the important isolates Geraniol, Citronellol and Citronellal obtained from it.

Est.



1833

natives, who display remarkable aptitude for the work. Direct steam distillation is employed, the oil collecting in a receiver which is locked and carefully safeguarded. Citronella is one of the most important essential oils produced within the Empire, which has supplied increasingly large quantities in recent years. It is extensively used in perfumery—in soaps, hair preparations and skin lotions.

Wholesale Trade only

STAFFORD ALLEN & SONS LTD

Manufacturing Chemists, Essential Oil Distillers.
COWPER STREET, LONDON, E.C.2.

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Telegrams:
"OPIUM MANCHESTER."

Telephones:
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(2 lines).

Reliable House for all
Pharmaceutical Preparations
and for Personal Service

Concentrated Waters.
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Essential Oils.

OPIUM
B.P. Tinct. Aqueous Tinct.

Liquid Extracts.
Levigated Ointments.
Syr. Glycero-phos. Co.

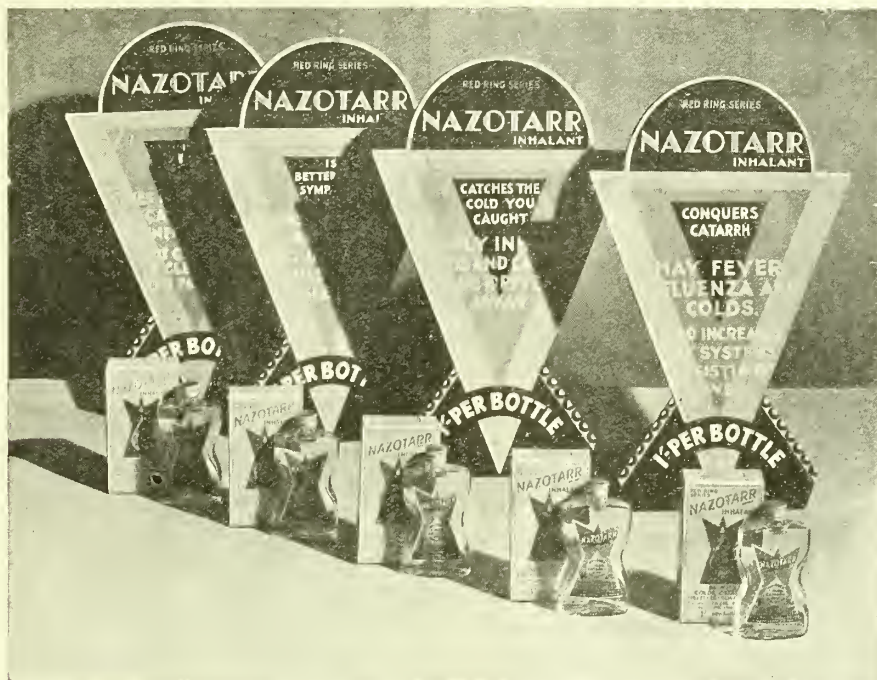
"Silver Churn" Dairy Specialities
MANCHESTER

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Supplied in Bulk or Tins at Best Prices



1/- per bottle

HAVE YOU ORDERED NAZOTARR BRAND INHALANT?

It is **HAVING A WONDERFUL SUCCESS** and even so early in the season is repeating at a phenomenal rate.

In the words of
a customer:

**"Its attractiveness captivates
the eye and its
efficacy is indisputable."**

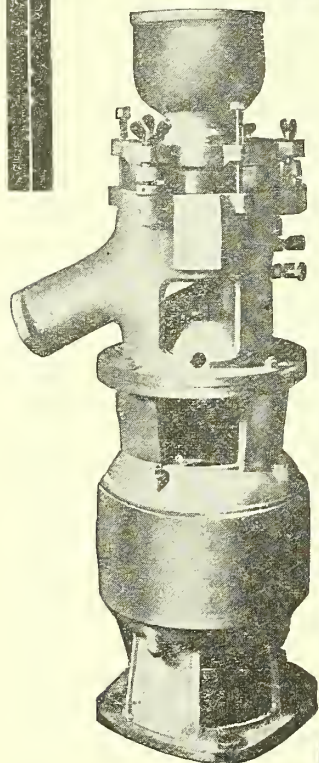
SEND FOR
PARTICULARS
NOW for

Parcel of
6 doz. at 8/- per doz.
less 10% 28 days.
With free bonus of
1 doz.

Manufactured and guaranteed by
CUPAL LTD., Blackburn

'Grams - "Cupal, Blackburn."
'Phone - - Blackburn 6073.

PREMIER

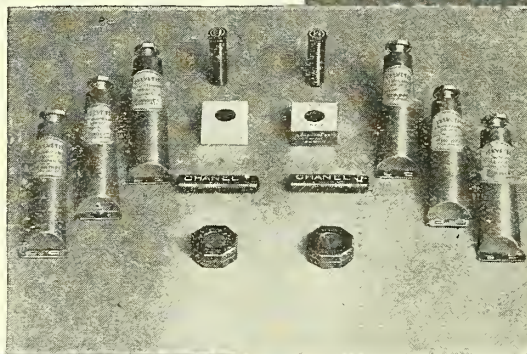


5" PASTE MILL
with direct-coupled
Motor.

PASTE AND EMULSIFYING MILLS

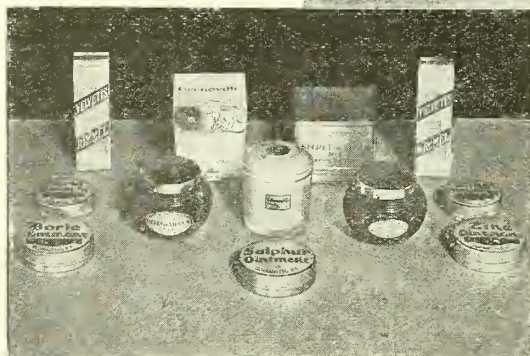
Premier Paste Mill
direct-coupled to
Motor for creams,
semi-pastes and
viscous products.

High Speed Premier
Colloid Mills also sup-
plied for belt-drive
—recommended for
emulsions and disper-
sions of all types.



By courtesy of the Manu-
facturers enumerated
below we are enabled to
display a few of the many
and varied types of pro-
ducts to-day being manu-
factured in all parts of the
world with the aid of the

PREMIER MILL



James Woolley, Son & Co., Ltd., Manchester.
Blundell Spence & Co., Ltd., Hull.
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R. Thomson, Elgin.
R. Hovenden & Sons, Ltd., London.
Ste. Ame. Grenoville, France.
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A/S Pharmacia, Copenhagen.
Produits du "Lion Noir," France.
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A. Bourjois et Cie, Ltd., London.
Leather Dressings, Ltd., London.
United Turkey Red Co., Ltd., Alexandria, N.B.
Reckitt & Sons, Ltd., Hull.

Etc., etc.

Telephone :
National 9500
(8 lines).

PREMIER COLLOID MILLS LTD.

(ASSOCIATED WITH BURT BOULTON & HAYWOOD, LTD.)

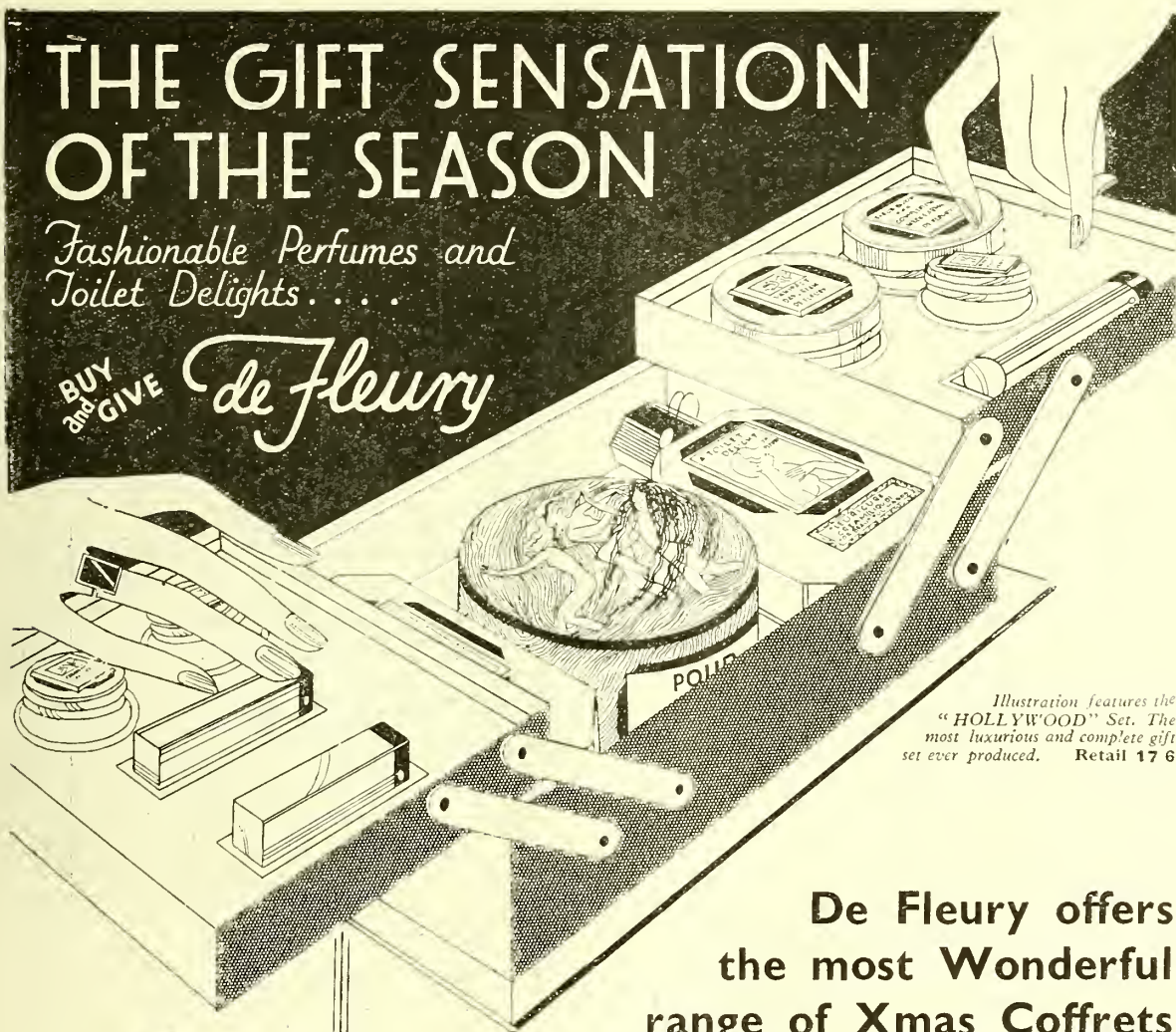
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Telegrams :
Burboul, Ave,
London.

THE GIFT SENSATION OF THE SEASON

*Fashionable Perfumes and
Toilet Delights . . .*

**BUY
and GIVE** *de Fleury*



*Illustration features the
"HOLLYWOOD" Set. The
most luxurious and complete gift
set ever produced. Retail 17 6*

De Fleury offers the most Wonderful range of Xmas Coffrets

45

Coffrets available

30 for Women

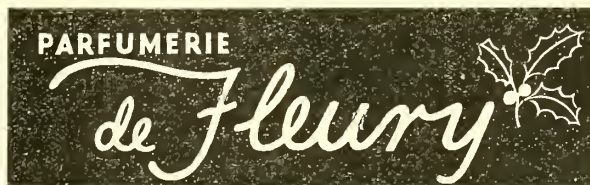
15 for Men

All these delightful Coffrets
are available in four of the
exclusive fine De Fleury Par-
fums as follows:

**WINGED WISHES
SALUTATION
LADY GAY
IN THE DAWN**

Abundant supplies of original
and sales-compelling display
aids are available for all en-
thusiastic retailers of De Fleury
creations, and it will pay you
to make these BRITISH pro-
ducts the feature of your Xmas
window and counter displays.
Show them to the best advan-
tage. They are works of art
—and BRITISH.

So great is the demand for these De Fleury Xmas Coffrets that we
are again compelled to ask you to place your order at once if you
wish to receive your goods in time for the big business which is
now starting with these wonderfully attractive lines. Whole Page
advertisements, and many smaller spaces are due to appear shortly
in the "Daily Sketch," "Daily Mirror," "Miss Modern," "Woman
and Beauty," "Film Weekly," etc., and a display in your window
will link up with this advertising and create heaps of profitable
business for you. But PLEASE order early. Although overtime is
being worked daily it will soon be impossible to guarantee delivery.



PARFUMERIE DE FLEURY RAWDON NR. LEEDS

Sole British Proprietors: W. B. Cartwright Ltd.

E. S. HILL & CO. (1929)

— LIMITED —

23 OLD BOND STREET

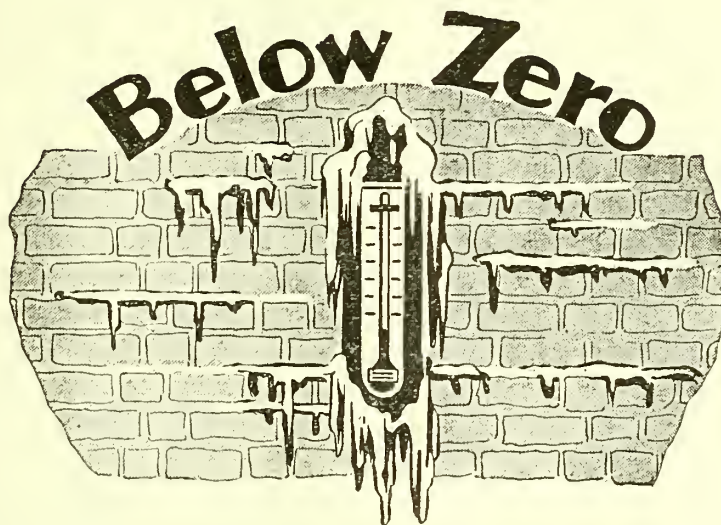
. LONDON, W.1

**FAMED FOR 50 YEARS FOR
BRITISH PRODUCTS**

**K i - K i P e r f u m e
G u a r d s H a i r L o t i o n
C.A.R. H a i r L o t i o n
F e a v a s i a H a i r L o t i o n
O l e a q u a H a i r L o t i o n**

TRADE ENQUIRIES INVITED

Maw's Page



When the thermometer is well below zero and your customers come into your pharmacy blue with cold, when warmth and comfort seem to them the most desirable things on earth, and their minds are ready for the suggestion, it's then that you want to tell them of the "Parex" Hot Water Bottle.

And you don't have to seek for a means of introducing the "Parex" Bottle. Let it tell its own story. Put it on your counter and in your window, or hang it in some convenient position in the pharmacy and the bottle in its attractive jacket will speak for itself.

That's one of the great advantages of the "Parex" Bottle—it acts as its own showcard, saving you trouble and expense in displays. Of course, it has many others: its powerful selling points, including the printed guarantee; the attractive showcards; the substantial profit secured on every sale and the fact that it is sold to pharmacists only.

Remember the "Parex" Bottle is a sound article commanding a good price and yielding a generous profit. It makes hot-water bottle business worth while. It is worth a thousand cut-price bottles.

Stock it - Show it - Sell it.

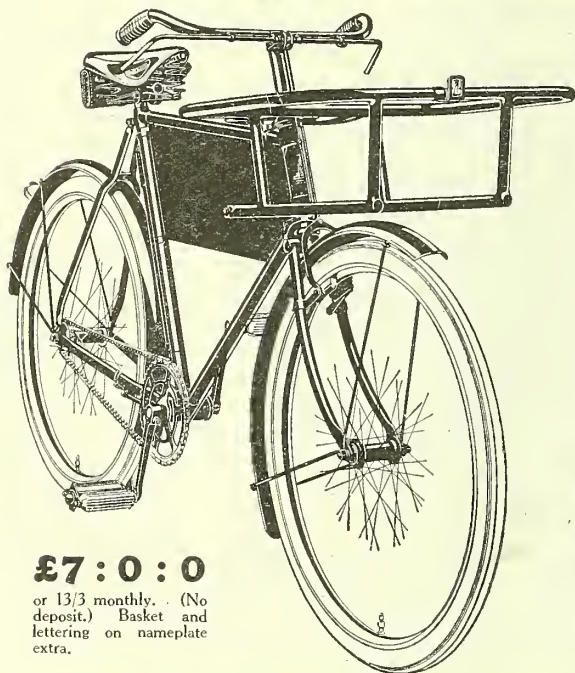
S. Maw, Son & Sons, Ltd.,
Aldersgate St., London,
and Barnet.

TRADE



MARK

The All-Steel Carrier Cycle for only £7!



£7 : 0 : 0

or 13/3 monthly. (No deposit.) Basket and lettering on nameplate extra.

Strength is the all-important factor of a Carrier Cycle . . . strength to withstand heavy loads and rough handling by irresponsible riders . . . strength such as only the all-steel construction exclusive to the Raleigh ensures.

The **ONLY** Carrier Cycle in the world built **ENTIRELY** of steel and Guaranteed for ever, the Raleigh has always been the best value in the long run, and now, at these **reduced prices**, it is the best proposition on the road.

RALEIGH

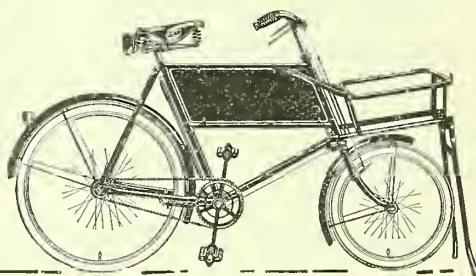
CARRIER CYCLE

The Raleigh **LOW GRAVITY** Carrier

Embodying the same exclusive features as the ordinary carrier, it has been specially designed for carrying heavy or bulky loads with safety from skidding. It has a small front wheel which permits the use of an exceptionally large basket and the low position of the load ensures easy steering and stability. An instantly operated stand built into the carrier is an important feature.

£7 : 10 : 0

or 14/2 monthly. (No deposit.) Basket and lettering on nameplate extra.



The ONLY Carrier Cycle in the world built ENTIRELY of steel & Guaranteed for ever

Send for full details and address of nearest Raleigh agent.

THE RALEIGH CYCLE CO. LTD., NOTTINGHAM.

STAND 39, Cycle & Motor Cycle Show, Olympia, Nov. 30-Dec. 5.



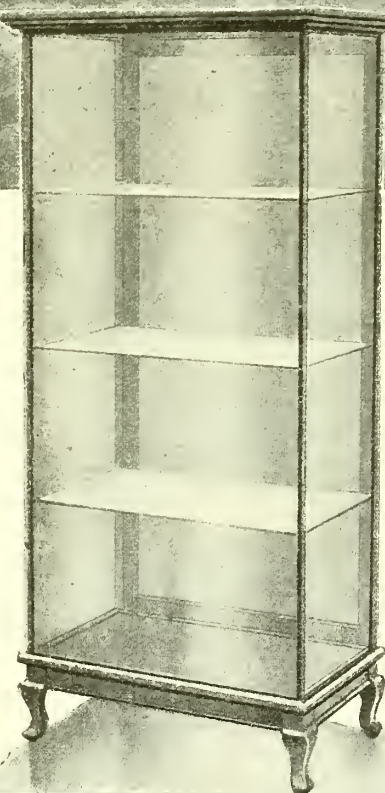
SALES ATTRACTING PHARMACY FITTINGS

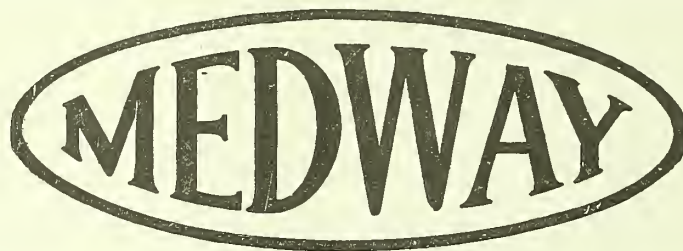
Half the battle in salesmanship is won through effective display. The shop-front, the interior design and the detailed fittings must present an attraction that will lead to successful sales.

Years of experience have taught us the best methods of display that ensure business efficiency in the struggle of modern competition.

Start the New Year by improving your shop-fittings. Let us help you, without any obligation on your part.

EVANS SONS LESCHER & WEBB LTD.
LIVERPOOL, LONDON and DUBLIN.





CORRUGATED PAPERS

(in rolls up to 78 inches wide)

PIECES, BOARDS & BOXES

*All corrugated productions
are manufactured from our own British made
strawpaper, produced from British
raw materials only.*

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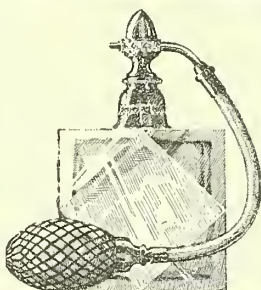
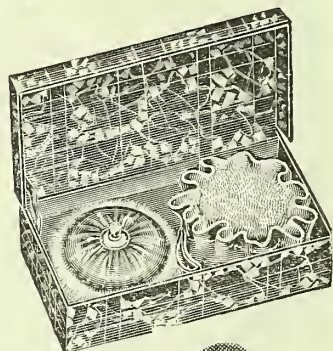
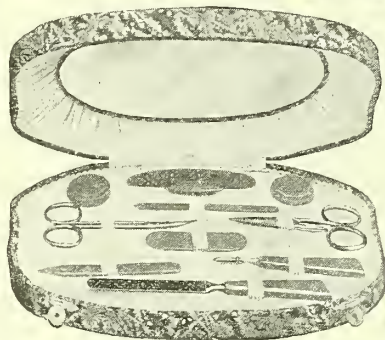
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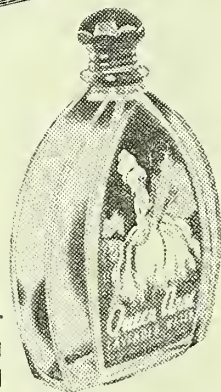
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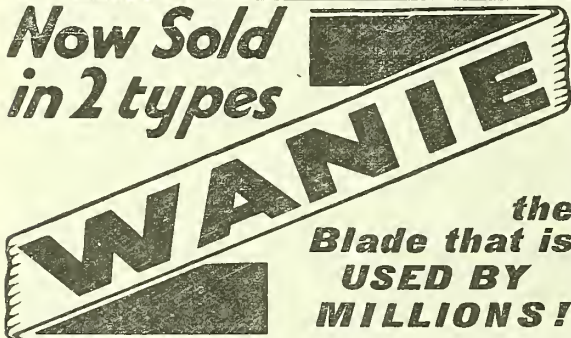
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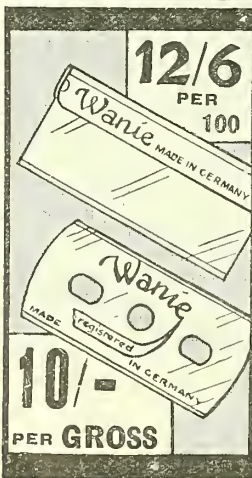
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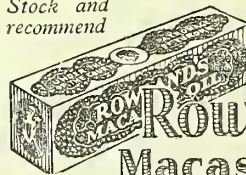
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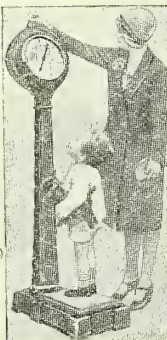


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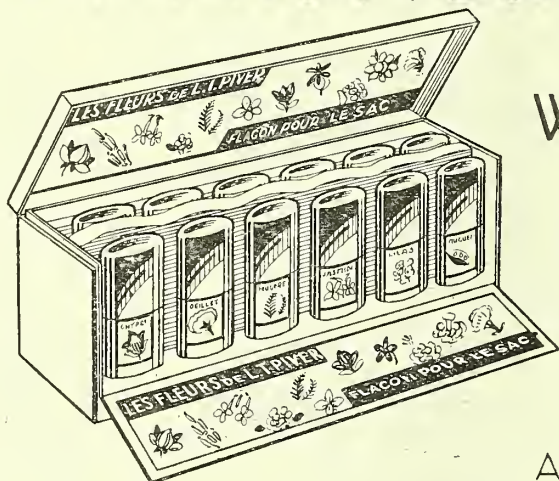
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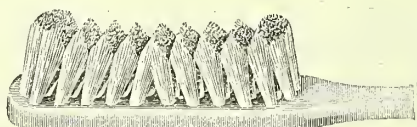
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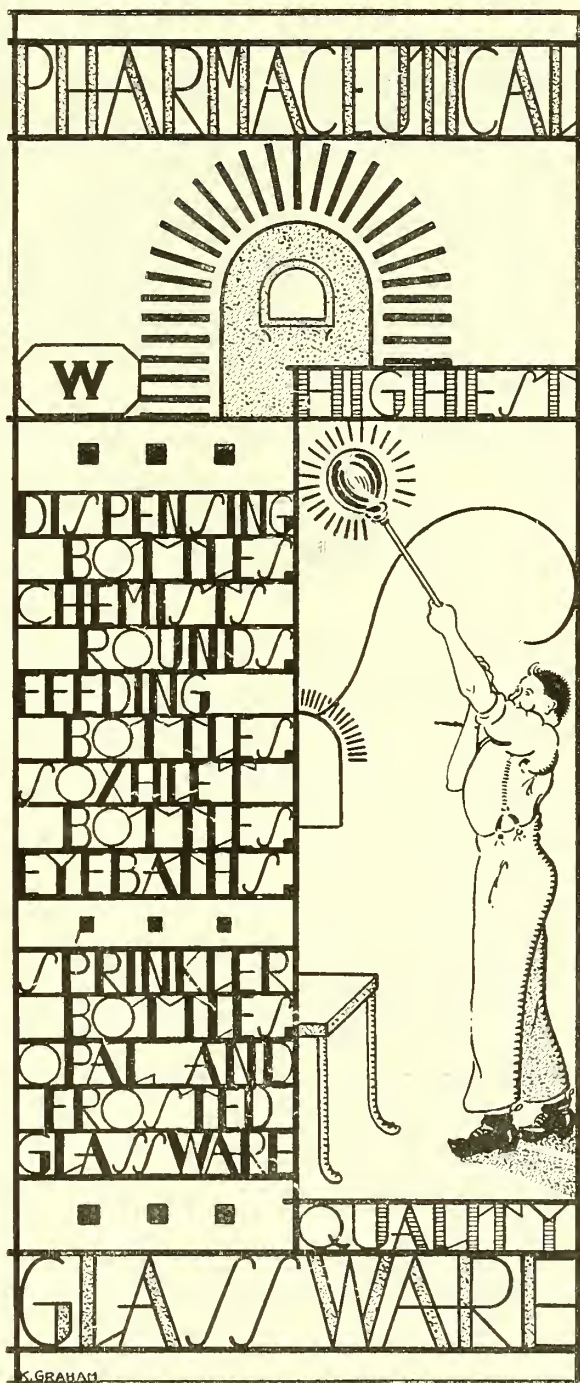


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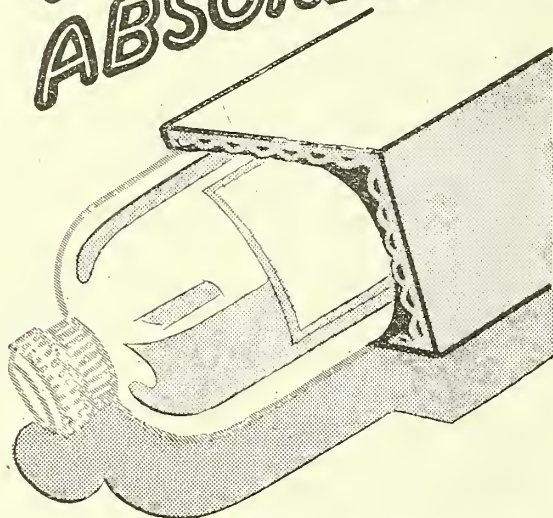
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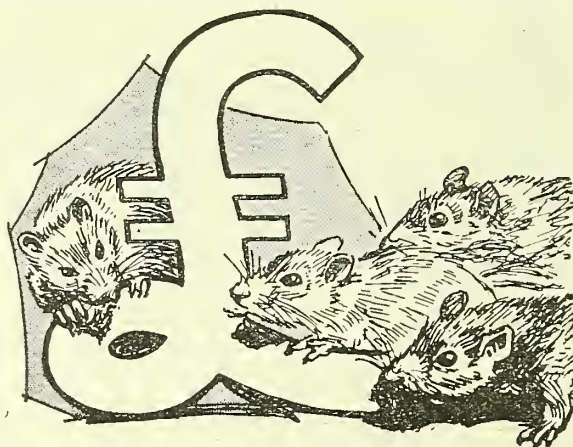
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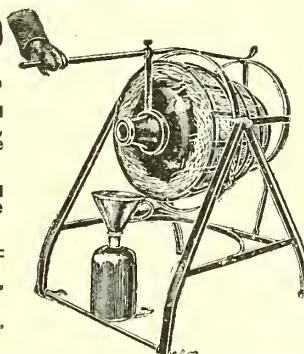
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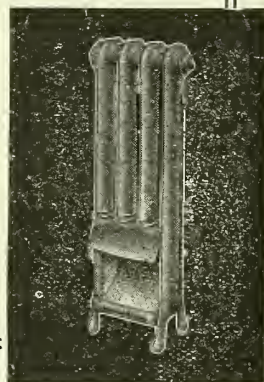
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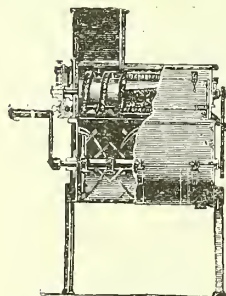
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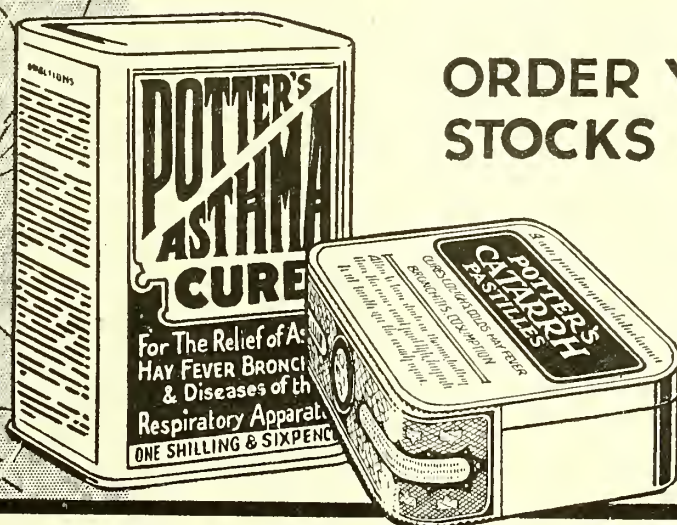
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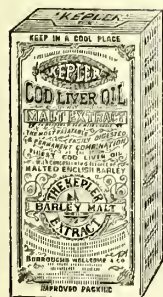
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other Chemists' Societies in Overseas Dominions*

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News of the Week

Abnormal Importations (Customs Duties) Act

The Board of Trade have made the Abnormal Importations (Customs Duties) No. 2 Order, 1931, which imposes as from December 4 a duty of 50 per cent. *ad valorem* upon eleven classes of articles, of which only the following is of direct interest to the drug trade as a whole:—

(a) Glass bottles and glass jars (other than scientific glassware) not containing merchandise.

The declared imports of these articles amounted in October to 187,000 gross, of a value of £95,000. In 1930 the average monthly imports were 118,000 gross. Glass bottles and jars which are scientific glassware are already subject to a key industry duty of 33½ per cent.

The Abnormal Importations (Valuation of Articles) Regulations, 1931, have been issued (price 1d.) by the Stationery Office. They contain the forms to be filled up by importers in respect of articles coming under the Act and its Regulations.

Ramsay Memorial Laboratory

The new building for the Ramsay Memorial Laboratory of Chemical Engineering, at University College, London, W.C.1, was opened by H.R.H. Prince George, on November 26, in the presence of a distinguished audience. Viscount Chelmsford (chairman of the College Committee) presided, and among others on the platform of the Great Hall were the Vice-Chancellor of the University (the Rev. Dr. J. Scott Lidgett) and the Provost of the College (Dr. Allen Mawer). The gallery was filled with enthusiastic students. Prince George said that the new laboratory should do much in bringing scientific research in chemistry and engineering into closer touch with the needs of modern industry. The chemical engineer made full use of every known branch of physics and engineering for the production of the perfect manufacturing plant. Such a spirit could well

be introduced into all industries. During his tour of the new building his Royal Highness unveiled a memorial tablet which has been placed on a wall facing a portrait of the late Sir William Ramsay, who, it may be remembered, occupied the chair of general and inorganic chemistry at the College from 1887 to 1913. The erection of the spacious and well-equipped laboratory has been rendered possible by the contributions of leading manufacturers interested, who have placed at the disposal of the authorities a capital sum of £26,000 and an annual income (for several years) of £4,000. The laboratory is intended to accommodate fifty students and research workers. A special feature is the provision of facilities for the erection of large-scale plant.

Motor-Cycle and Cycle Show

The latest developments in cycles, motor-cycles and three-wheelers for commercial purposes are to be seen at the seventeenth International Motor-Cycle and Cycle Show, opened at Olympia, London, W.14, on November 30. A wide range of carrier cycles is on view, including a useful low-gravity model by the Raleigh Cycle Co., Ltd. A special sales drive is being made by manufacturers of commercial side-cars and three-wheelers; use of these machines, it is claimed, substantially reduces transport costs. The show will remain open until December 5.

Birmingham

An informal dinner and theatre party was held under the auspices of the Birmingham Pharmaceutical Association on November 18; there was an excellent attendance. Dinner was served at the Queen's Hotel.

The report of the Birmingham city analyst (Mr. H. H. Bagnall, B.Sc., F.I.C.) for the third quarter of 1931 states that 1,185 samples were submitted, of which fifty-

seven were bought formally. The percentage of adulteration of all the samples analysed was 2.4, compared with 3.9 per cent. and 3.4 per cent. for the third quarter of 1929 and 1930 respectively. With reference to vinegar, Mr. Bagnall hopes that the Committee which is at present sitting to consider the question of food standards and definitions will make some attempt to distinguish artificial vinegar from vinegar and malt vinegar. Artificial vinegar, he states, should be labelled and sold as such. Low figures obtained from samples of sal volatile, hydrogen peroxide and saccharated iron carbonate tablets taken from the stocks in hand of the public health department were thought by Mr. Bagnall to be due to the fact that the articles in question are liable to lose strength on keeping.

Manchester

The forty-sixth annual dinner and dance of the staff of James Woolley, Sons & Co., Ltd., was held at the Grand Hotel, Manchester, on November 27. Colonel Watson presided over a large and representative gathering, comprising all the directors and staff, to the number of 150. During the evening presentations were made by Mrs. Woolley to Mr. T. C. Twining (a director since 1919), who recently retired after a connection with the company extending over forty-six years, and to Mr. James Ratcliffe, a popular personality in the sundries department for fifty years.

The first ladies' evening of the present season of the Manchester and District Pharmaceutical Masonic Association (the twenty-first of the Association) was held on November 25 at the Grand Hotel, Manchester; seventy-five members and guests were received by the chairman (Bro. H. Bellringer) and Mrs. Bellringer, and dinner followed. The following toasts were honoured:—"The Chairman," by Bro. J. Bridgford; "The Ladies," by Bro. A. H. Lyons; "The Visitors," by Mrs. Bostock. Responses were made by the chairman, Mrs. Bellringer and Bro. Wilkinson respectively. At the succeeding whist drive, conducted by Bro. H. Woodhead, the following were prize-winners:—Mrs. Wootton, Mrs. Lyons, Mrs. Ross, Mrs. Tansley, Miss Schofield, Mrs. Walters, Bros. Balshaw and Hommel. Dancing followed.

Miscellaneous

POISON-LICENCE APPLICATION.—C. B. Brett & Son, Sherborne, have applied to the Dorset County Council for a licence to sell horticultural poisons.

THEFTS FROM COUNTERS.—A contributor writes: "There is complaint in Bradford of thefts of collection boxes from shop counters—especially from pharmacy counters—whilst the shopkeeper's back is turned in securing some small article asked for."

SHOPPING WEEKS DISCUSSED.—The Ilfracombe Chamber of Trade recently discussed the question of arranging another shopping week. One firm was of opinion that the idea underlying shopping weeks was wrong, the tendency being to create a preoccupation which was detrimental to business in the preceding weeks. Some members regarded window competition as a very unfavourable method of attracting buyers. It was resolved that the secretary should canvass the principal traders with a view to securing their verdict.

PROTEST AGAINST ADVERTISING BAITS.—The following resolution was carried unanimously at a conference of advertisers held in London on November 27:—"That this national conference, representative of all types of British advertisers, desires to place on record its emphatic protest against the unnecessary financial load placed upon advertisers who are called upon to pay for ineffective circulation; and therefore, for the well-being of advertising generally, the conference urges publishers to discontinue all insurance, multiple coupon, free gift, and canvassing schemes of every kind."

THE PLACING OF CONTRACTS.—There was a protest against the Devon County Council's proposed centralised buying of the goods required by the associated local authorities of the county, and a plea for consideration to be shown to the small trader, at a meeting of the Okehampton Rural District Council on November 28.

A letter from the County Council stated that when the Council had decided which tenders should be accepted, copies would be sent to the rural councils with an intimation that the County Council would not allow for any higher expenditure in respect of such materials or services.

Scottish Notes

Brevities

Mr. J. Heggie, chemist and druggist, West Kilbride, has been elected president of West Kilbride Merchants' Association.

Mr. John McKerlie, chemist and druggist, has been elected vice-president of the Thornhill (Dumfries-shire) Merchants' Association.

A correspondent writes: "Your editorial 'Watch Your Invoices' (*C. & D.*, November 28, p. 651) is a timely reminder to chemists that the price pendulum is swinging in an upward direction. Safeguarding, like charity, should begin at home, and using the invoice price as a foundation it should be easy to fix the retail price for drugs subject to frequent fluctuations; where there is doubt, the method outlined in the *C. & D.* Retail Price List will be found a guide."

Irish Notes

Pharmaceutical Society of Ireland

The following, whose names are arranged according to merit, passed the recent examination for Assistants to Pharmaceutical Chemists:—Timothy A. Falvey, James Brown, Francis Gerard Moran and Delia Mary Fair. Three candidates were rejected.

Brevities

Miss Irene M. Keaney, Ph.C., will open a pharmacy at St. Joseph's Terrace, Manorbhamilton, co. Leitrim.

Mr. Samuel McLoughlin, Ph.C., Belfast, has intimated to the Duncairn-Clifton Unionist Association that he will not seek re-election to the Belfast City Council.

Mr. S. S. Badger, Ph.C., J.P. (ex-president of the Pharmaceutical Society of Northern Ireland) has been elected president of the Magherafelt Public Assistance Committee.

Mr. J. W. Sandford, Ph.C., and Mr. W. J. Henning, Ph.C., gave evidence in a case at Larne, co. Antrim, on November 24, in which James Glover, who was dressed as a clergyman, was charged with collecting subscriptions for a home, which, it was alleged, had no existence. The accused was sent to prison for a month. Notice of appeal was given.

At Ballymena, on November 27, Mr. Robert J. Dick, Ph.C., Bridge Street, was fined 5s., with costs, for failing to enter a sale of methylated spirit in the proper book.—At the same court, Mr. Alexr. Taggart, R.D., Broughshane Street, was similarly fined for selling methylated spirit on written orders which did not state the purpose for which it was required.

At a recent meeting of the Lurgan Board of Guardians, the clerk read a requisition for special medicines and medical appliances, for the use of the workhouse infirmary, amounting to £10. He said that such items in future would have to be paid for out of the rates and without a Government grant as formerly. A resolution was passed proposing that a meeting, or conference, be called of all the councils and boards of guardians in the six counties to protest against additional taxation.

Dublin

A new pharmacy has been opened in the suburbs of Dublin at Ring Street, Inchicore, under the name of the Ring Medical Hall.

Mr. Eugene MacMahon, Ph.C., chairman of the Irish Chemists' Assistants' Union, will shortly set up in business at The Central Pharmacy, Burgh Quay, Dublin.

South African News

From "C. & D." Correspondents.

"The Chemist and Druggist" is supplied weekly to members of Chemists' Societies in South Africa.

Health Week in Durban

DURBAN CORPORATION recently arranged a Health Week Exhibition in the Town Hall. Instructive lectures were given, together with films on tropical diseases and child welfare. Inside the Hall was the Exhibition proper. Here were the stalls arranged by most of the Corporation's Health Departments and all the Nursing Divisions. Among these stalls was one arranged by the Natal Pharmaceutical Society. As the photograph shows, the display consisted chiefly of pure drugs, which brought home to the public the fact that there is more in medicine than water, and did much to impress the fact that the man who knows all about drugs is the man to purchase such things from. The centre-piece consisted of an 8-oz. bottle of cough mixture containing paregoric, tincture of squill, infusion of senega and ipecacuanha wine. In conjunction were displayed the crude drugs from which each of the ingredients was made. The manufacture of cold cream, of liquid extract of cascara, of iodine from kelp, formed part of the interesting exhibit. Turkey opium, Java cinchona bark, Sumatra benzoin, nux-vomica seeds, and many herbs and barks were also included in the display. A dispenser was busy making up headache cachets, for which there was a ready demand, each being distributed in a powder envelope bearing the

inscription "With the Compliments of the Natal Pharmaceutical Society." Last, but not least, was the simple guessing competition, concerning a large carboy



and a small bottle, which assisted in creating interest. The drugs for this striking display were lent by Allen & Hanburys (Africa), Ltd.

Topical Reflections

By Xrayser

Stamp Duty

From medicines shows a decided falling off for the year ended March 31 last, but it is noteworthy that there was an increased revenue from this source in Scotland, the big drop in net receipts being in England (*C. & D.*, November 28, p. 639). Simultaneously with this, I find that the total number of makers or vendors has risen, though the Scottish figures show a reduction. It is significant that the total number of licence-holders has nearly doubled in the last four years, and it is none too comforting to reflect that there should be such an enormous number of unqualified dealers in drugs and medicines, who think it worth while paying for an annual licence to sell stamped medicines. Though I believe it to be a fact that many of these unqualified dealers have the cost of the licence defrayed for them, the point remains that there are at least 110,459 places where goods that ought to be supplied to the public by chemists and druggists are vended by their unqualified competitors, and that the latter doubtless encroach upon our legitimate business in other ways than by the sale of stamped medicines. There is obviously more than fancy in the suggestion which has repeatedly been advanced in the columns of the *C. & D.*, that we ought to take into serious consideration the problem how to recover or capture business which we regard as being rightly our own.

Some Wholesalers

appear to be taking a lively interest in problems which, naturally, affect them in corresponding degree with ourselves, judging from communications which have appeared in the *C. & D.* pages during the last two weeks. My curiosity was particularly whetted by the letter in which a certain amount of light was thrown upon the methods by which grocers obtain supplies of drugs and proprietary articles (*C. & D.*, Novem-

ber 21, p. 634). One would like to know more about such individuals and of any chemists who supply wholesale or retail grocers. Possibly they might not be at all troubled if their names were shouted from the rooftops; but it would be useful for us to know who was working against us in this way.

Prescribed Appliances,

on the supply of which you commented last week (p. 651), are not, as all insurance chemists ought to know, appliances prescribed by doctors, but articles "prescribed" or approved by the Ministry of Health in the restricted list which constitutes the Second Schedule to the Medical Benefit Regulations. Interpretation of this Schedule has never been particularly narrow, but it is notorious that many insurance practitioners have frequently ordered for insured persons appliances that could by no stretch of the imagination be regarded as being covered by the terms of the approved list. Formerly if chemists supplied such articles when improperly ordered, they incurred the penalty of having payment for them disallowed. Now that risk is removed from the chemist and the onus is entirely thrown upon the doctor, who may order any appliance he thinks fit, with a reasonable prospect of its being supplied and paid for. Later, however, will come the reckoning when the Insurance Committee calls upon the doctor to refund the cost of the improperly ordered article which the chemist has supplied on his prescription. If the doctor acted deliberately and with full knowledge of what might happen, no harm will have resulted. It is greatly to be feared, however, that doctors often order appliances improperly without clear knowledge of the personal liability they incur by so doing. As a matter of policy, therefore, it would appear desirable that any chemist receiving an N.H.I. prescription form on which is ordered an appliance that is not allowed should make a point of communicating, if he can, with the doctor concerned.

Legal Reports

Formamint in the Irish Free State.—An action in which the question was the use of the word "Formamint" came before Mr. Justice Johnston in the High Court, Dublin, recently. The plaintiffs named in the summons were Wigglesworth, Ltd., Westhoughton, Lancashire; Arthur H. Cox & Co., Ltd., Lewes Road, Brighton; and Ayrton, Saunders & Co., Ltd., Hanover Street, Liverpool. The defendants were the Controller of Industrial and Commercial Property, Merriion Square, Dublin, and Genatosan, Ltd., Loughborough. The plaintiffs claimed an order directing that the Register of Trade Marks in the Irish Free State be rectified by removing therefrom Trade Mark No. 15,760, registered in the name of Genatosan, Ltd., or by adding to the registration of the mark a note disclaiming any exclusive right in Genatosan, Ltd., to the use of the word "Formamint." Mr. Kevin Walsh, solicitor, entered an appearance on behalf of Genatosan, Ltd., and stated that his clients submitted themselves to the jurisdiction of the Court and did not contest the plaintiffs' claim.

Mr. Fitzgibbon, K.C. (who, with Mr. Marnan, appeared for the plaintiffs), produced the affidavits sworn in the case.

Mr. Arthur Mortimer, Gordon Square, London, W.C.1, secretary to the Wholesale Drug Trade Association, stated that his Association consisted of manufacturing chemists carrying on business in England. The word "Formamint" was registered in the United Kingdom under the Trade Marks Acts, 1883-8, on July 4, 1904, in respect of chemical substances prepared for use in medicine and pharmacy. This registration was later assigned to J. A. von Wulffing, who was the proprietor of the mark at the outbreak of war in 1914. J. A. von Wulffing was a German national, and in October 1916 the Board of Trade made an order avoiding the trade mark. He (Mr. Mortimer) was informed by members of his Association that continuously since the year 1914 the word "Formamint" had been used by a large number of manufacturing chemists to describe an antiseptic tablet for the throat; Formamint tablets had been put upon the market in England, Scotland, Northern Ireland, and the Irish Free State in considerable quantities by various manufacturers; the word "Formamint," since the war, had indicated a preparation made according to a formula and had been in common use by the trade. In many cases the Formamint tablets were put up by the manufacturing chemist bearing the name and address of the retail chemist. It recently came to the knowledge of members of his Association that Genatosan, Ltd., had registered the word "Formamint" in the Irish Free State as a trade mark on December 30, 1927, in Class 4 under No. 15,760 in respect of a medicinal preparation for the throat, and that this registration was being used by the respondents to threaten the customers of members of his Association. He referred to a letter of February 3, 1931, written by the respondents to Hayes, Conyngham & Robinson, Ltd., Dublin. His Association thereupon instructed their solicitors to communicate with the respondents. He referred to the correspondence which had taken place between his Association's solicitors and the respondents, and stated that the respondents refused to cancel their registration, and consequently it had become necessary to take these proceedings. He submitted that the registration by the respondents was made without proper cause, that the word "Formamint" was at the time of the registration by the respondents in common use in the Irish Free State, and that the trade was seriously embarrassed by the trade mark remaining on the Register.

Mr. Panks J. Wigginton, managing director of Arthur H. Cox & Co., Ltd., stated that his company had for some years prior to 1927 continuously manufactured and sold Formamint tablets in large quantities in the United Kingdom, Northern Ireland, and the Irish Free State. To his knowledge the word "Formamint" was used by other manufacturers in England.

Affidavits in similar terms were made by Mr. James Alfred Wolfendale, secretary of Wigglesworth, Ltd.; by Mr. Wm. Richard Jamieson, a director of Ayrton, Saunders & Co., Ltd.; and by Mr. Edwin Sibley, secretary to The British Drug Houses, Ltd.

In an affidavit made on behalf of the defendants, Mr. Arthur Bellamy Tomkins, registered patent agent in Saorstát Éireann (practising under the name Byrne & Co.), who acts as patent and trade mark agent in the Irish Free State for the defendants, stated that on June 25, 1931, without any notice to his clients from the plaintiffs, the summons in the action was issued. The affidavit further stated that in October 1916 the late Lord Rhondda acquired the business of the German firm as a going concern from the Custodian of Enemy Property and immediately formed the present company, Genatosan, Ltd., to carry on the business. After a summons had been issued on June 25, 1931, naming as plaintiffs three firms with whom, they informed him, they had had no correspondence in the matter, his clients immediately took steps to lodge an application to have the registration voluntarily cancelled. Genatosan, Ltd., were entitled to their costs as a result of the unnecessary action of the plaintiffs in the case. In a replying affidavit, Mr. Arthur Cox, solicitor for the plaintiffs, stated that he was informed by his London agents, Messrs. McKenna & Co., that on July 15, 1931, they served a true copy of the informatory summons in the matter on Messrs. Genatosan.

Mr. Justice Johnston made an order directing, by agreement, the cancellation of the registration of the trade mark. He directed that Genatosan, Ltd., should pay the plaintiffs' costs incurred as from October 12, 1931, including the costs of that hearing, and that they should pay the Controller's full costs.

The Labelling of Carbolic Acid Liquids.—In Brentford County Court, on November 26, before Judge Higgins, the Council of the Pharmaceutical Society of Great Britain, Bloomsbury Square, London, W.C.1, claimed a penalty against Mr. John Brown, grocer, Spring Grove Road, Hounslow, for an alleged infringement of the Poisons and Pharmacy Act, 1908. Mr. H. Glyn-Jones represented the Society; Mr. Norman Birkett, K.C., and Sir Percival Clarke, K.C., were for the defendant.

THE PHARMACEUTICAL SOCIETY'S CASE

Mr. Glyn-Jones (for the plaintiffs) said they were asking for a penalty against the defendant, who was not a registered chemist and druggist, for selling a bottle of Izal. The sale was admitted. The liquid, as a preparation of carbolic acid, was included in the Schedule to the Poisons and Pharmacy Act, 1908. Where a compound contained less than 3 per cent. of homologues of carbolic acid it might be sold by grocers, but where it contained above that quantity it could not be sold unless it was described as being for special purposes. In this case it was described as a sheep wash, and for agricultural and horticultural purposes, and for disinfecting utensils. It was properly labelled "Poisonous." The question was whether it was a preparation sold as sheep wash only, or for purposes in agriculture, and bearing a label giving notice that it was sold for the special purposes for which it was produced. It was capable of being used for general agricultural purposes, and the Society contended that this was an attempt to convert what was essentially a prohibition into encouraging the sale of a poison by others than qualified chemists. The Society had brought the case in a friendly spirit, the makers, Newton, Chambers & Co., Ltd., having suggested that a sample should be taken and the case tested. It was the practice to put Izal up in two bottles, one for pharmacy and the other for general use. But the bottles were similar and could not be distinguished at a distance. The contents were the same, and

the bottle labelled for agricultural use could be sold anywhere. He submitted that a sale for general purposes in agriculture was wrong, and that the compound could only be sold for special purposes, which must be disclosed on the label.

Miss Margaret Dick, an inspector employed by the Society, gave evidence of purchase. The shop, witness added, was not in an agricultural district.

Mr. Birkett objected to the latter part of the witness's evidence, pointing out that there might be a poultry farm near the shop.

Mr. Glyn-Jones replied that if the district was not of an agricultural character, the disinfectant must be sold for general use.

In cross-examination by Mr. Birkett, witness said she had had experience in purchasing Izal. She did not know that other disinfectants were exposed for sale in grocers' shops. The Izal sold by chemists was labelled with a description of the way in which it should be used, and was sold for general use. The grocers' bottle was sold for agricultural and horticultural purposes.

Mr. Birkett: The labellings are distinct?—Yes.

Miss Dick added that for four years Izal had been sold in grocers' shops to the knowledge of the Pharmaceutical Society. It was in tins.

Mr. Charles Edwin Corfield, B.Sc., F.I.C., Chancery Lane, W.C.1, said he analysed the contents of the bottle in the present case, and found it contained 39.1 per cent. of phenol and not less than 30 per cent. of carbolic acid. He had not much knowledge of the uses of Izal. He had analysed the contents of one of the tins sold by grocers, and found that they were identical with those in the bottles. If the homologues were reduced to 3 per cent., the compound could be sold by grocers. To the public eye there would be no difference between the two.

Dr. Bernard Dyer, F.I.C., public analyst, gave evidence that other compounds than Izal were used in agriculture, principally for sheep dip. On every bottle must be a specification of the method of use approved by the Minister of Agriculture. That was not specified on the bottle in this case.

The Judge: If I had some cows and used this disinfectant in the shed, would it be useful?—Yes, but it would affect the milk. Witness went on that Izal would be little used as a soil disinfectant or steriliser, for a bottle would only be sufficient for the treatment of a small area. There was nothing on the label to indicate the quantities to be used. If used according to the proportions described on a tree or shrub in leaf it would be injurious, while if used in winter it would not be strong enough. The use of phenol preparations was obsolete.

In cross-examination, witness said he had known of Izal for some years, and the name of its makers had a high reputation. It was prepared with great skill. Mr. Birkett: Millions of tins have been sold, and if it had proved worthless for agricultural use it would hardly have had such a sale?—That may be. The compound would make a good sheep dip if about twenty-five bottles were used. It would be excellent for use in poultry farms, Dr. Dyer continued, but he could not say anything about its dilution, as he had not tested it. The compound could not be used for spraying roses, and he would not use it generally for disinfecting seed. He had no knowledge of a smallholder using it. There were many forms of agriculture in which it could be used. Mr. Birkett: If a man cut himself with a scythe it would be useful as a germicide?—That is getting wide afield. Have you used other compositions?—Yes, but I have not them generally in mind. Re-examined by Mr. Glyn-Jones, witness said that for ordinary disinfectant purposes the compound would be useful.

Mr. Thomas Tickle, B.Sc., F.I.C., public analyst, said he was in agreement with the evidence given by Dr. Dyer. Answering Mr. Birkett, he said he did not know that Izal was largely used in foot-and-mouth disease, nor did he know that the compound had been sold in tins without objection by the Pharmaceutical Society for four years. Mr. Birkett: And yet it is the same as in the bottle. Why all this bother now?—The only reason I can think of is that the tins did not sell fast enough.

CASE FOR THE DEFENCE

Mr. Birkett, for the defence, said he was not calling any evidence, as the sale was admitted. The matter was important, both to the plaintiff Society and the manufacturers and also to the public. He understood that the objection was to the wording of the label, and the short point was that the defendant, not being a chemist, had sold the poison. The defendant's answer to that was that he came within the exceptions to the Act of 1908. It was true that the homologues were over 3 per cent., and it was therefore important to look at the exceptions to the Schedule. The compound must be labelled "Poisonous," it must be in a closed vessel and must contain the name of the maker. The conditions had all been complied with, but it was claimed that the label did not contain a specification of the special purposes for which the compound was used. It could be used for agricultural or horticultural purposes. The Judge: And if that is specified it does not matter what other purposes it is wanted for?—Mr. Birkett: Exactly. Mr. Birkett emphasised that for four years, to the knowledge of the Society, the same compound had been sold in tins. Now it was being put up in a new form of pack, and there was a notice that met the Act of Parliament, which said it must be made plain it was for agricultural and horticultural purposes. It did that, and went on to detail uses to which it could be applied. The complaint was that the specification of uses did not go far enough and exhaust all purposes for which the article could be used. If it was sold for sheep wash and a farmer used it for other purposes, the vendor could not be blamed. The makers had given great attention to the Act of Parliament and to the label, and they believed that the latter complied with the Act.

REPLY

Mr. Glyn-Jones, dealing with the points raised by Mr. Birkett, said that since 1868 the Legislature required that poisons as a class must not be sold except by qualified persons, and it was not generally ever meant that goods just on one side of the line should be sold as non-poisonous by the use of a label. What had to be guarded against was any attempt to set at naught the Schedule to the Act. Could a poison be less a poison because the packet containing it bore the words: "It could be used as a sheep wash?" It would not be right for a maker to use the words: "This can be used for disinfecting fowl runs," and so get the compound sold through every channel. The Schedule should not be evaded in that way. There must be on the label a statement that the bottle was sold for special use and not for general use. The wording on the labels in this case, he submitted, did not disclose a special purpose. Where the compound was used for disinfecting vessels used in agriculture, that was not a special purpose. There was no evidence that the defendant sold agricultural or horticultural goods, and so the sale of the compound in this case must be regarded as for general use.

JUDGMENT

The judge found in favour of the defendant, with costs. He said that the Act exempted preparations for sheep wash and purposes of agriculture and horticulture. He thought the label covered the sale in this case. It was quite clear that sheep dip and horticultural and agricultural purposes included the washing of pans, disinfecting of premises and cleansing of vessels, which must all form part of agricultural work. He thought, however, that the Act omitted something, and should have added the words, "It must not be used for any other purpose than those specially stated."

[The Pharmaceutical Society has decided to appeal (See p. 683).—EDITOR.]

"JUDGMENT BY CONSENT."—We are informed that the defendant in the case reported under this heading in our issue of November 28 sold the goods mentioned without knowing that they infringed a trade mark; this fact was not mentioned in court. The procedure in such cases in Dublin differs from that in London, where a settlement is usually effected in chambers.

New Companies and Company News

P.C. means Private Company and R.O. Registered Office.

COOPER & WARR, LTD. (P.C.).—Capital £100. Objects: To acquire the business of a drug store now carried on by B. W. Cooper at 86 Duke Street, St. Helens, as "Jacksons' Drug Store."

COMFLEX MANUFACTURING CO., LTD. (P.C.).—Capital £1,000. Objects: To carry on the business of surgical dressing manufacturers, chemists and sundriesmen, photographic and general dealers, etc.

RING MEDICAL HALL, LTD. (P.C.).—Capital £250. Objects: To carry on the business of chemists and druggists, sundriesmen, vendors of patent medicines and pharmaceutical specialities of all kinds, etc.

CARBOLAC MANUFACTURING CO., LTD. (P.C.).—Capital £100. Objects: To carry on the business of manufacturers of and dealers in patent medicines, drugs and chemicals, etc. R.O.: 41 King William Street, E.C.

G. H. BUCKLEY, LTD. (P.C.).—Capital £1,000. Objects: To acquire the business of a chemist and druggist formerly carried on by Constance E. Dunscombe at 171 Hagley Road, Edgbaston, Birmingham. R.O.: 171 Hagley Road, Edgbaston, Birmingham.

RUSHLEY PHOTOGRAPHIC SERVICES, LTD. (P.C.).—Capital, £500. Objects: To carry on the business of developing, printing and enlarging photographs and supplying a photographic service to chemists, druggists and others, etc. R.O.: 17 Larch Street, Southport.

MANON FRERES, LTD. (P.C.).—Capital £1,000. Objects: To manufacture and deal in perfumes, essences, lotions, powders, toilet preparations and requisites of all kinds; manufacturers of and dealers in chemicals, surgical and other instruments. R.O.: 149 New North Road, N.1.

A. W. MORGAN & CO., LTD. (P.C.).—Capital £2,000. Objects: To acquire the businesses now carried on as "The Bedford Drug Co." and "A. W. Morgan," and to carry on the business of wholesale, retail and analytical chemists, druggists, herbalists, etc. Solicitors: Sharman & Trethewey, Bedford.

STERLING PRODUCTS, LTD. (P.C.).—Nominal capital £200. Objects: To carry on the business of manufacturers of and dealers in chemicals, organic and inorganic chemical products, chemical preparations and fine chemicals, chemists, druggists, dyers, salters, oil and colourmen. Solicitors: Mackrell, Ward & Knight, 33 Walbrook, E.C.4.

Private Arrangements

W. Bernstein, 215 Victoria Park Road, London, E., chemist and druggist.—A conference of the principal creditors was held recently at the offices of the Association of Manufacturing Chemists, Kimberley House, Holborn Viaduct, London, E.C. A statement of affairs showed liabilities of £1,919 os. 3d., made up as follows:—Trade creditors, £1,040, 18s. 10d.; cash claims, £801 15s.; and bankers, £76 6s. 5d. In addition, there were fully secured creditors for £2,050. After allowing £51 15s. for preferential claims, the net assets were £702 5s., or a deficiency of £1,216 15s. 3d. The assets consisted of stock £535, valued at £400; fixtures, fittings and utensils £127 10s., estimated to realise £100; household furniture £50; book debts £4, and surplus from fully-secured creditors £200, making a total of £754. It was decided that a deed of assignment should be executed to Mr. Parkin S. Booth. In a circular which has been issued by the trustee, it is stated: "The business is being continued under my supervision as trustee, with a view to its disposal. Any orders you may receive should bear my official confirmation prior to the goods being dispatched."

Stock Exchange Prices

£1 Shares unless otherwise stated	Dec. 30, 1930	Oct. 31, 1931	Nov. 30, 1931
	s. d.	s. d.	s. d.
Allen & Hanburys 7% Prefd. Ord.	21 6	21 0	20 6
Amalg. Dental Co., 8% Prefd. Ord.	19 0	18 0	17 0
" " Deferred 5s. ..	3 3	3 6	3 3
Apollinaris and Johannis, Ord. £1 ..	6 0	4 6	2 9
Ayrton, Saunders & Co., 7½% Pref.	14 6	11 3	12 6
Beechams Pills, Deferred 1s. shares	2 6	2 0	2 1½
Benger's Food, Ord.	30 6	28 3	28 0
Boake (A.), Roberts & Co., 5% Pref.	16 3	16 3	14 0
Boots Pure Drug Ord.	111 3	117 6	121 3
Boots Pure Drug, 7% "A" Prefd. Ord.	23 6	23 9	23 9
Boots Cash Chemists (S.), 6% "A" Pref.	21 6	21 9	21 9
Borax Consold., Dfd. Ord.	10 0	9 6	8 0
Bovril, 6% Pref.	23 0	20 6	21 6
" " Ord.	25 0	21 3	22 0
" " Dfd.	37 3	35 0	36 3
British Cyanides, Ord., 2s. shares ..	1 9	0 10½	0 8½
British Drug Houses, The, Ord.	17 0	15 0	15 0
British Oil and Cake Mills, Prefd. Ord.	27 6	28 6	26 9
British Oxygen, Ord.	24 0	18 0	17 0
British Photo. Indus., 6% Cum. Pref.	15 6	10 0	10 0
Bush (W. J.) & Co., 5% Pref. £5 ..	63 0	57 6	57 6
Cadbury Bros., 6% Pref.	23 3	23 9	23 3
Callard, Stewart & Watt, Ord.	27 6	16 3	12 6
Crosfield (Joseph) & Sons, 6½% Pref.	21 6	20 9	20 6
Drug Incorporated (no par value) ..	\$62	\$75	\$74
Dubarry Perfumery, Ord. 1s.	6 0	4 0	4 6
" " 7½% Pref.	20 0	17 6	18 9
Eastman Kodak Com. (no nom. value)	\$149	\$141	\$132
Evans Sons Lescher & Webb, Ord.			
6s. 8d. shares	3 6	2 3	2 3
" " 6% cum. part. Pref.	4 9	2 9	2 9
Field (J. C. & J.), Ord.	11 3	12 6	12 0
Galloway (P. H.), Ord. 2s.	2 9	2 6	2 6
" " 7½% Cum. Pref.	21 0	20 0	20 0
Gossage (William), 6½% Pref.	21 3	20 0	20 6
Grout & Co., Ord.	15 0	20 0	18 9
Hoddors, Ord. 1s.	0 6	0 1½	0 1½
Idris & Co., "A" Ord.	20 9	20 0	20 0
Ilford, Ltd., Ord.	46 3	23 0	22 0
" " 6% Pref.	20 6	18 3	19 0
Imperial Chemical, 7% Pref.	21 9	20 9	19 9
" " Ord.	18 0	18 3	14 6
" " Dfd. 10s.	5 0	5 10½	4 6
Intern. Sponge Importers 6% Pref.	10 0	8 9	7 6
Kent (G. B.) & Sons, 5½% Pref.	10 6	6 3	6 3
Knight (John), 25% Prefd. Ord.	67 6	65 0	62 6
Laporte (B.) & Co., Ltd., Ord.	19 0	18 0	18 0
Lever Bros., Ltd., 7% Pref.	22 9	22 9	21 6
" " 8% Pref.	22 9	22 6	21 3
" " 20% Prefd. Ord. £1 ..	12 0	46 0	41 3
Lewis & Burrows, Ord.	28 9	26 3	24 4½
" " 6% Pref.	17 6	16 6	16 6
Liebig's Ext. of Meat, Ord. £5 ..	£14½	£18½	£18½
Mellin's Food, 6% Pref.	2 6	2 0	2 0
Nathan (Joseph) & Co., 7% Pref.	17 0	13 9	13 9
" " 8% Prefd. Ord.	8 0	5 0	5 0
National Drug and Chemical Co. of Canada, 6½% Pref.	2 0	1 9	1 9
New Transvaal Chemical Co., 6% Pref.	20 0	20 0	20 0
" " 8% Pref.	22 9	22 6	23 0
Phosferine (Ashton) & Parsons 8% cum. partic. Ord.	11 3	8 9	7 6
Salt Union, Ord.	31 3	28 0	26 3
" " Pref.	32 6	27 6	26 3
Sangers, Ord. 5s.	8 3	7 7½	7 3
"Sanitas," The, Co., 9% Pref.	25 0	21 3	22 6
Sanitas Trust, 10% partic. Pref.	22 6	22 0	20 6
Schweppes, Ltd., Ord.	31 6	23 9	22 6
" " Dfd.	32 6	22 6	21 10½
Smith (Stephen) & Co. Ord. 5s.	6 0	6 0	5 9
Solidol Chem. Co., Ord. 1s.	0 2	0 1½	0 1½
Southall Bros. & Barclay, Ord.	103 6	110 0	110 0
" " 5% Pref.	19 3	20 0	20 0
Spratt's Patent, Ord.	48 0	50 0	47 6
Stovenson & Howell, 6½% Cum. Pref.	17 6	16 9	16 9
Taylor's Cash Chemists (Lon.) 1s. Dfd.	1 6	0 10½	0 9
Taylor's (Cash Chemists) Trust, 7½% Cum. Pref. Ord.	18 9	12 6	11 3
" " 1s. Dfd.	1 10½	1 1½	1 0
United Glass Bottle Man., 6% Mt.			
Deb. Stk., £100	£103	£100	£101
Veno Drug Co., 8% Pref.	15 0	12 6	12 6
Virol, Ltd., Ord.	65 0	27 6	27 6
" " 7% Pref.	21 3	21 3	20 6
White (A. J.), Ltd., Ord. 10s.	12 6	12 6	11 9
White (Timothy), 7½% Prefd. Ord.	21 0	18 6	16 9
" " 1s. Dfd. Ord.	1 10½	1 4½	1 0
Wright Layman & Umney, 6% Pref.	20 7½	20 0	20 0

Dental Board of the United Kingdom

THE twenty-first session of the Dental Board of the United Kingdom was held at 44 Hallam Street, W.1, on November 11 and 12, the chairman (the Rt. Hon. Sir Francis Dyke Acland, Bt.) presiding. The first item on the agenda after the calling of the roll was the

CHAIRMAN'S ADDRESS

After a reference to a recent law case, in the course of which members of the Board appeared as witnesses on either side without risk of disturbance of "friendly relationships," the chairman discussed the question (appearing on the agenda) of restricting in one direction, and expanding in another, the scope of the "minor dental work" which may be performed in the school medical service by dental nurses. A matter involving professional ethics was referred to in the following terms:—

"The board have been asked for a ruling whether it is proper that a firm of manufacturing chemists should add to the inducement of dentists to buy their standard mouth washes by printing labels which, after detailing the strength in which the mouth wash should be used, contain the words: 'Specially prepared for A. W. Blank, Dentist, 249 High St., Mudville. Hours 9-8, Sat. 9-1. Tel. 4321,' or words to a like effect. As the words 'specially prepared' are untrue, and the rest is a most distinct advertisement of the dentist, the sooner the practice is abandoned the better. We are informed that 'vast numbers' of the dental profession are using labels of this sort, and are urged to agree that in these circumstances all should be allowed to use them. I do not agree; the better alternative is that those who use them should cease to do so—and promptly."

DISCIPLINARY CASES

The first case taken was that of Mr. Douglas Edward Burns, 145 Great Mersey Street, Kirkdale, Liverpool, who was originally before the Board in November 1930 in consequence of a conviction for embezzlement. Mr. Burns attended on both occasions, and was accompanied by his solicitor, who addressed the Board. The chairman announced that the name of the respondent would be retained on the Register.

One adjourned case and two new cases of excessive exhibition of signs or other devices were considered during the session. The case from the May sitting of the Board was that of Mr. William Birkett, 189 East India Dock Road, E.14. The Board's solicitor related the facts and added particulars of the present position. Mr. Birkett's name was retained on the Register. In the other two cases the respondents were Mrs. Florence Marie Etheridge, 74 Leadenhall Street, E.C.3, and Mr. Morris Millard, 56 George Street, Croydon. In each case the Board's final decision was postponed to the session of next May, with instructions as to the changes to be made meanwhile in the matters in question.

Mr. John Charles Murphy, 5 South Parade, Huddersfield, appeared in answer to a summons following a divorce case in which he was the co-respondent. The Board decided to retain his name on the Register.

In two cases of canvassing the Board decided to report that the names of the respondents should be removed from the Register. These were Mr. Arthur Percy Hogarth, 50 Shakespeare Street, Bradford (who was also charged with "covering" an unregistered person), and Mr. Harry Ernest Best, 83 Brondesbury Villas, Kilburn, N.W.6. The same decision was reached in the case of Mr. Arthur Leonard Heath, 37 Martin Way, Merton Park, S.W.20, accused of "covering."

The two cases of advertising on the agenda were reduced to one by the death, on June 4, of Mr. Ronnie Reuben Criger, Valetta, Malta. The other respondent, Mr. Anthony Seaman, Oxford Street, Market Rasen, was allowed six months in which to collect testimony as to his good conduct.

The remaining case, in which Mr. Ernest William Turner, 395 Monument Road, Birmingham, was con-

victed of being incapable of controlling a motor-car while under the influence of drink, was adjourned for twelve months for the production of satisfactory evidence as to conduct in the meantime.

OTHER BUSINESS

A communication from the Chemists' Dental Society was read, inquiring if the Board would approve of facilities for qualification being granted by the licensing bodies to qualified chemists on the Dentists Register. It was decided to inform the Chemists' Dental Society that the Board have only power to register graduates or licentiates in dental surgery or dentistry of any of the medical authorities as prescribed by Section 6 of the Dentists Act, 1878, or persons who comply with Section 3 of the Dentists Act, 1921, as extended by Section 1 of the Dentists Act, 1923. The Board were, therefore, not able to express an opinion upon the question asked.

General Medical Council

THE hundred and thirty-fourth session of the General Medical Council opened at 44 Hallam Street, London, W.1, on November 24, the retiring president (Sir Donald MacAlister, Bt.) in the chair. The first item on the agenda, after the calling of the roll, was the announcement of Sir Edward Hilton Young's resignation from the Council on his appointment as Minister of Health. This was followed by

THE PRESIDENT'S ADDRESS,

which was unusually brief. Sir Donald MacAlister made a eulogistic reference to the retiring member, "the first layman to be appointed to a seat on this Council," and announced the death of two former members, Mr. George Jackson and Mr. E. B. Turner. The remainder of the address consisted chiefly of mention of routine reports from committees of the Council and other bodies. In his final paragraph the president made a dignified statement on his retirement from the chair, though not from the Council, on account of weakness following a somewhat serious illness. The personal friendliness and goodwill of his colleagues had, he added, made his period of service on the Council, extending over forty-two years, full of interest and satisfaction.

ELECTION OF NEW PRESIDENT

At the conclusion of the first day's session, Sir Norman Walker was unanimously elected president for five years "or for such period thereof as he remains a member of the Council," and he was installed in the chair by Sir Donald MacAlister. The Council ordered that an entry be made in the minutes, placing on record sincere appreciation of the invaluable services rendered by Sir Donald MacAlister as president of the General Council, over a period of twenty-seven years, and regretting that he found it necessary on grounds of health to relinquish the office "which he has filled so admirably, and in which for so long his wise judgments, impartial actions and unvarying courtesy have commanded the esteem and affection of his colleagues." The remainder of the proceedings was conducted under the chairmanship of the new president.

(To be continued.)

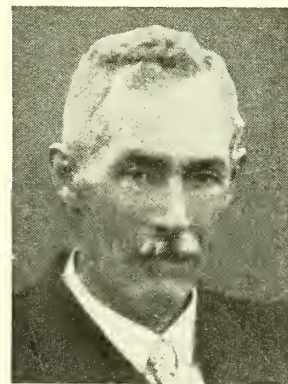


Photo) [Sport & General
SIR NORMAN WALKER, M.D.

Festivities

A Ladies' Night

A SUCCESSFUL ladies' night was held under the auspices of the South-Eastern (London) Associations at Chiesman's Restaurant, Lewisham, on November 19. From 7.30 p.m. until midnight 132 members, guests and friends were amused and entertained with dancing, games and song. During supper songs were rendered by Miss Alleyne and Mr. Kain, and music was provided for community singing. Prizes were presented for spot dancing and games. Mr. E. Oswald Wells proposed a vote of thanks to Mrs. Hay, M.B.E., and her assistants, Mrs. Lockyer and Mrs. Dickson, for the merry evening, and to the donors of the prizes; Mrs. Hay replied.

London College Function

THE annual reunion dinner and dance of the London College of Pharmacy was held at the Criterion Restaurant, Piccadilly, London, W.1, on November 26, under the chairmanship of the principal (Mr. G. Rankin, B.Sc., Ph.C.). Past and present students and their friends to the number of 175 were present. The eloquence of Mr. H. L. Garbett, a present student, welcoming the past students, will be remembered by all. The dinner was followed by the second annual general meeting of "The Old Cyanides," when their president (Mr. C. W. Gosling, Ph.C.) referred to the publication of the first number of their magazine, "The Old Cyanidion." A successful evening was concluded with dancing.

Manchester Whist Drive

THE Manchester, Salford and District Pharmacy Club held the first whist drive of the winter session at the Clydesdale Club on November 18. In spite of bad weather conditions a large number of members and friends gave the function their support and patronage. Sixteen hands were played, after which refreshments were served. The prizes were handed to the winners by Mrs. Simmons as follows:—*Ladies*, (1) Mrs. Auger; (2) Miss Roberts; (3) Miss Lewis. *Gentlemen*, (1) Mr. Mainwaring; (2) Mr. Orme; (3) Mr. Gee. Mr. J. Cleworth, in proposing a vote of thanks to the donors of the prizes (Mr. and Mrs. Franklin) said it was gratifying to the organisers of the function to see such a good gathering on such a wretched night. He emphasised the respect in which Mr. and Mrs. Franklin were held. The vote was passed with acclamation.

A Northern Entertainment

MEMBERS of the Aberdeen and District Pharmacists' Golf Club held their annual winter entertainment in the Douglas Hotel, Aberdeen, on the evening of November 25. This year it was agreed to hold a dance only in place of the usual whist drive and dance, and it proved to be an unqualified success, particularly to the younger members of the club. During supper Mr. M. C. Ross (chairman of the club) gave an interesting *résumé* of the work done during the year. Mrs. Ross presented the trophies and prizes won during the season. Mr. John Michie voiced the company's thanks to the captain for his tireless and successful work throughout the year in the interests of the club, for the able manner he had carried through his duties as chairman, and for his gift of special prizes to the dancers that evening. He also asked for a special vote of thanks to Mrs. Ross for the gracious manner in which she had presented the prizes. Mr. John McConnach (secretary) was heartily congratulated for the excellent arrangements he had made for the success of the evening. The following were the prize-winners:—*Paterson Trophy*, (1) A. C. Forsyth; (2) C. L. Watson; runners-up, J. Forsyth and J. McConnach. *Ness Cup*, (1) J. McConnach; (2) H. M. Dugan. *Foursomes*, (1) J. Watt and A. R. Stott; (2) J. Forsyth and J. M. Forsyth. *Banchory Outing*,

(1) R. A. Singer; (2) J. Fenton; (3) J. Watt. *Captain's Prize*, J. Watt. *Gleneagles*, (1) W. Marshall; (2) M. C. Ross.

Reigate and Redhill Dinner

THE annual dinner of the Reigate, Redhill and District Pharmacists' Association and Branch of the Pharmaceutical Society was held at the White Hart Hotel, Reigate, on November 25. There was a good attendance, and the chair was taken by Mr. T. P. Padwick (president). The president was supported by the Mayor and Mayoress of Reigate, Mr. F. Gladstone Hines (vice-president of the Pharmaceutical Society), Mr. K. J. Padwick (president, Brighton and District Branch of the Society) and Mrs. K. J. Padwick, Mr. C. Preston (chairman, Redhill and Reigate Chamber of Commerce) and Mrs. Preston. After the loyal toast had been honoured, Mr. T. P. Padwick proposed that of "The Pharmaceutical Society." He described the Pharmacy and Poisons Bill as "illogical and inconsistent," and stated that the craft was being hampered rather than helped by regulations. Mr. Padwick said he foresaw a cleavage in the ranks of pharmacy. One section would confine itself to dispensing, with the possibility of becoming modified civil servants, and the other would probably be a hybrid between the grocer and beauty specialist. Mr. F. G. Hines, in response, said that he must congratulate Mr. Padwick. It was not often that one met such a happy specimen of pessimist and prophet. With reference to the Pharmacy and Poisons Bill, he believed that there was some good in it, but whether and when it would be revived he could not say. Mr. Hines referred to a visit to the United States, and reviewed the efficiency and cleanliness of the American druggist. The toast of "The Local Association and Branch" was submitted by Mr. K. J. Padwick, who said he thought that the local associations and branches up and down the country had proved to be the backbone of pharmacy. He congratulated the Redhill and Reigate Association on their choice of having, in Mr. Padwick, one who could always be relied upon to play the game. Mr. H. J. Sadler responded in a witty speech. Mr. H. Hocken proposed the toast of "The Visitors," and welcomed especially the members of the Croydon and Guildford associations. He congratulated the Mayor on having been chosen to that high office, and wished him a successful year. The Mayor of Reigate (Mr. F. G. Spranger) and Mr. H. C. Neve (secretary of the Croydon Association) suitably responded.

Cardiff Dinner

THE twenty-seventh annual dinner of the Cardiff Pharmacists' Association and Branch of the Pharmaceutical Society was held at the Royal Hotel, Cardiff, on November 25. Members and friends to the number of 100 spent a happy evening under the chairmanship of Mr. H. A. Hobbs. The company included Mr. T. Marns (a member of the Society's Council), the Lord Mayor of Cardiff (Alderman C. W. Melhuish) and the Lady Mayoress (Mrs. C. Coleman), Mr. Temple Morris, M.P., Mr. W. Kittow (president of the British Dental Association), Principal and Mrs. Charles Coles, Capt. J. Griffiths, Mr. J. S. Gilbert (Swansea), and Messrs. Jared Edwards and Evans (Newport). After the loyal toasts the chairman proposed that of "The Pharmaceutical Society." While agreeing that the Society was an august and dignified body, and an ancient institution which must be treated with due deference, not a few, he said, find fault with it on that account. Mr. Hobbs thought that if pharmacy was to be rescued from pure commercialism the educational and scientific organisation must preserve its position of professional dignity. Mr. Marns, in reply, made sympathetic reference to the late Mr. A. H. M. Purse, and paid a tribute to the British Pharmaceutical Conference meeting held at Cardiff in 1930. His strong appeal was for continued and greater efforts in support of the

Benevolent Fund. Referring to the Pharmacy and Poisons Bill, he believed that for some time no chance of further legislation would present itself. The Council had had time to collect data, to get the branches to study the question of a Bill and to put forward suggestions. The Council could then evolve a Bill acceptable to the craft, which would have a good chance of success. Mr. R. Robinson (vice-president) proposed the "City and Trade of Cardiff," to which the Lord Mayor replied. At this stage of the proceedings, the golf trophies won during the summer months were presented by the president as follows:—The Newbery cup, Miss Maisie Murray; the B.D.H. cup, Mr. Whitney Evans; the Torry bowl and spoons, Miss M. Murray and Mr. G. Hughes; the A. and H. cup and spoons, Mr. A. S. Gordon and Mr. James Murray; the Virol cup, Mr. E. G. Edwards. Mr. W. Kittow proposed the toast of "The Ladies" in humorous style. Captain J. Griffiths responded. The toast of "The Cardiff Association" was ably proposed by Mr. Temple Morris, M.P., who expressed himself as willing to support the cause of pharmacy in the House of Commons; the two secretaries (Mr. R. L. Hopkins and Mr. H. T. Hobbs) suitably replied. Musical items were rendered at intervals. The secretaries were heartily thanked for their efforts in carrying through a function which was fully appreciated.

Leeds Dinner

THE annual joint dinner of the Leeds Branch of the Pharmaceutical Society and the Retail Pharmacists' Union was held at the Hotel Metropole on November 18. Mr. Raymond Swaits (chairman of the Leeds Branch of the Union) presided, and was supported by Mr. John Lancaster (chairman of the Leeds Branch of the Society). The principal guests included Mr. F. Gladstone Hines (vice-president of the Pharmaceutical Society), Mr. W. H. Clubb (chairman of the Executive of the R.P.U.) and Mrs. Clubb, Mr. J. A. Lodge (Bradford Branch of the Society), Mr. H. R. Stocks (Halifax Branch of the Society), Mrs. Stocks, Mr. Ben Brookes (York), Mr. J. A. Atkinson (clerk to the Leeds Insurance Committee) and Mrs. Atkinson, and Mr. H. F. Flather (clerk to the West Riding Insurance Committee). A collection on behalf of the Benevolent Fund yielded £29.2s. 6d. Proposing the toast of "The Pharmaceutical Society," Mr. Paul Dobson said most chemists would be glad that the Pharmacy and Poisons Bill had not reached the statute book in its existing form. He had little doubt the Bill would reappear. Mr. Dobson spoke of work done by the Leeds Branch of the Society in conjunction with the Juvenile Employment Bureau of the local education authority. A special subcommittee of the Branch was now working out a scheme of training of apprentices. Mr. F. G. Hines, responding to the toast, said that although the Pharmacy and Poisons Bill was dropped at the moment he felt sure it would be revived. They wanted complete efficiency in the national pharmaceutical service, and they were particularly anxious to secure, if possible, legislation which might once and for all enact the principle for which they had been striving so long—that prescriptions should be dispensed only in shops controlled by qualified pharmacists. Mr. Hines congratulated Leeds Branch on its work in connection with apprentices. Mr. R. Swaits, proposing the toast of "The Retail Pharmacists' Union," paid a tribute to the many services that organisation offered, and said most chemists would be many pounds down in their annual turnover without the help of the Union. Mr. Swaits regretted the use of the word "union" in the title. Mr. W. H. Clubb, responding, said the R.P.U. had over 8,000 members, and he could not understand how any chemist in business for himself could keep outside its ranks. In general he agreed with the sentiments expressed by Mr. Swaits in regard to the word "union." He was rather doubtful whether any other word could now be satisfactorily substituted. Mr. Clubb complimented Leeds chemists on their work towards improving the pharmaceutical experience of young entrants to the craft. The toast of "The Ladies and Visitors" was given by Mr. A. L. Peters (vice-chairman of the Leeds Branch of the R.P.U.), and Miss F. Cousin, secretary of that Branch, responded.

Association Meetings

Belfast.—A meeting of the Committee of the North Irish Pharmacists' Association was held on November 27, the president (Mr. John Adams) in the chair. The question of amalgamation with the Ulster Retail Drug Trade Association was discussed. A small committee was appointed with full powers to meet a similar committee from the U.R.D.T.A. (if the latter approved), and the secretary was directed to write to that body. Mr. O'Hare raised an important point in connection with legislation, and the Committee asked him to get into touch with the president of the Pharmaceutical Society on the matter. It was decided to pay the travelling expenses of a representative from each of the local areas when attending committee meetings. The treasurer was directed to put a proportion of the cash in hand on deposit. The Committee expressed satisfaction at the results of the scheme for deducting 1d. in the £ from the N.H.I. accounts for expenses and membership fees.

London (N.E.).—A combined meeting of the North-East London District Pharmaceutical Association and Branch of the Pharmaceutical Society was held recently, the president (Mr. G. J. M. Lusher-Pentney) in the chair. After the usual routine business a short lecture on *Vitamins, Hormones and Glands* was given by Mr. F. W. J. Hooper (chief pharmacist, Metropolitan Hospital). Mr. Hooper, in the course of his address, said that in the fullness of time the pharmacist may be called upon, if he is to keep pace with the changes in medical practice, for an elementary knowledge of physiology, bacteriology and sterilisation. He pointed out that diet plays a very large part in the relief and cure of disease. He dealt in some detail with cod-liver oil, noting that the first use in medicine was at Manchester Royal Infirmary in 1789. From a medicinal point of view cod-liver oil was important as being a natural source of vitamins A and D. The principle of the Lovibond tintometer was explained. Reference was made to the valuable work done in the pharmacological laboratories of the Society and the prestige that was accruing to the Society as a result. Ergot and its preparation were mentioned as being suitable for biological standardisation. Mr. Hooper pointed out that much confusion had existed with regard to digitalis owing to the research work having been done upon digitalis seed, which might not have occurred if a proper collaboration had existed between user, maker and research worker. By permission of the authorities of the Metropolitan Hospital and their radiologist, radium mounted in platinum needles was shown. The lecture was illustrated with diagrams and samples.

Public Pharmacists.—A meeting of the Guild of Public Pharmacists was held on November 18, the president (Mr. R. W. Lindsey) in the chair. An illustrated lecture on *Personality* from a physical and medical aspect was delivered by Dr. B. Barling. The speaker outlined the function of the ductless glands in shaping the development of the normal individual. He illustrated various types of dysfunction of these glands, and showed ways in which physical and mental abnormalities were thereby produced. Questions and a brisk discussion followed the address. A vote of thanks to Dr. Barling was proposed by Mr. Frank Browne, and carried with acclamation.

Women Pharmacists.—A social meeting of the National Association of Women Pharmacists was held on November 25. There was a good attendance of members and friends. A pleasant hour was spent with music, conversation and refreshments. The meeting concluded with an address on *The Nationalisation of the Hospitals and its Effect on Women Pharmacists*, by Miss G. Hindes, M.Sc. A discussion was taken part in by Mrs. Freke, Miss Claremont and Miss Hobbling. A hearty vote of thanks was proposed by Mrs. Freke and seconded by Miss Fordyce.

A Visit to Victoria Mills

Notes on the New Factory of Potter & Clarke, Ltd.

IN the 1926 Special Issue of THE CHEMIST AND DRUGGIST an addition to the already extensive buildings of Potter & Clarke, Ltd., Fairclough Street, London, E.1, was the subject of an illustrated article. So rapid has been the development of this old-established business that it is now possible to describe a further and greater extension to the "Winged Lion" premises. Some idea of the present size of Victoria Mills may be gained from the knowledge that the working floor area is now 74,500 super feet.

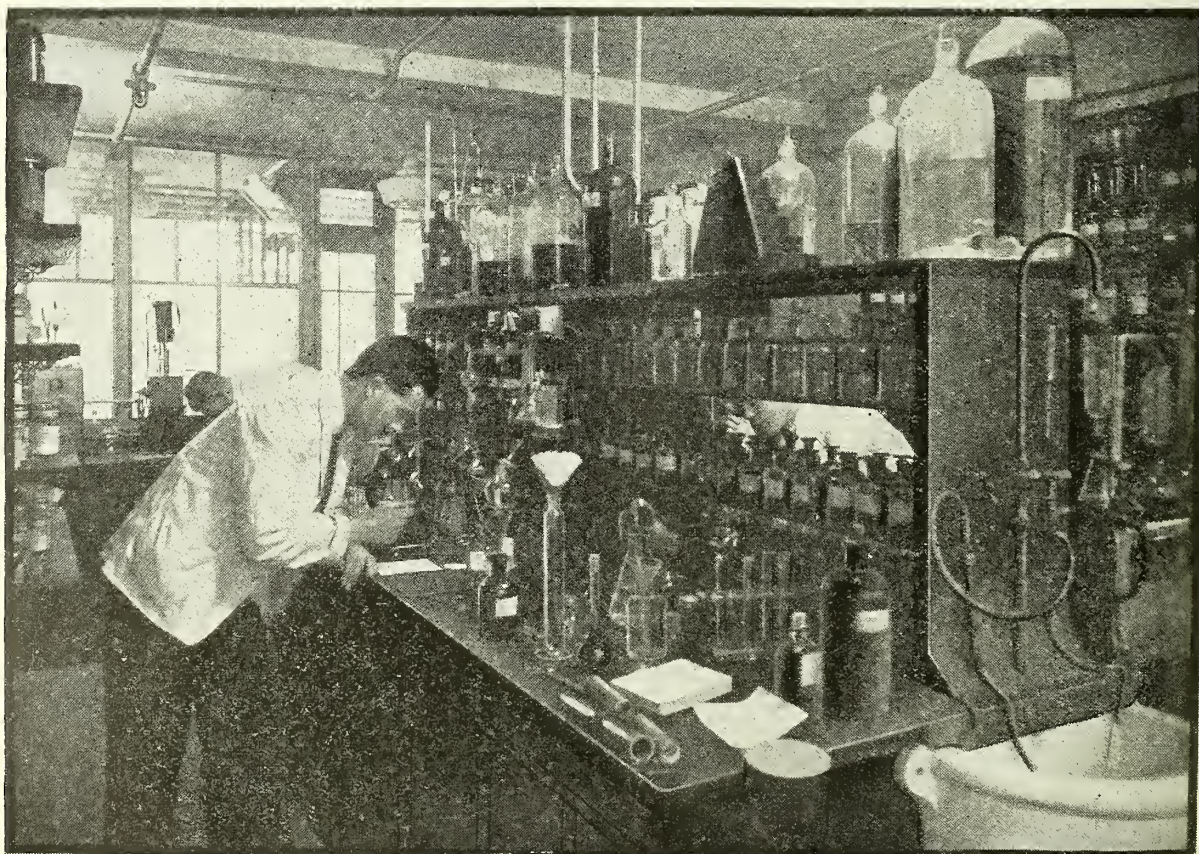
In Retrospect

Before describing a visit to the mills it is interesting to note the record of progress made by the firm since its foundation. In 1812 Henry Potter established himself as a dealer in leeches and as a seedsman and herbalist in Fleet Market, Farringdon Street. He retired in 1846, and the business passed to his nephew, also named Henry Potter, who took into partnership his uncle's old apprentice, George Hailey, the firm name of Potter & Hailey being assumed. This partnership lasted eight years when Mr. Hailey retired. In 1870 Henry Potter was joined by his son when the style of the firm became Potter & Son. Three years later, Charles Goddard Clarke was admitted a partner, the firm becoming Potter, Son & Clarke; the title was contracted in 1880 to Potter & Clarke. In 1896 Henry Potter, son of the third Henry Potter, and Richard Cranfield Wren, then general manager of the firm, were admitted to partnership. In 1907 the firm

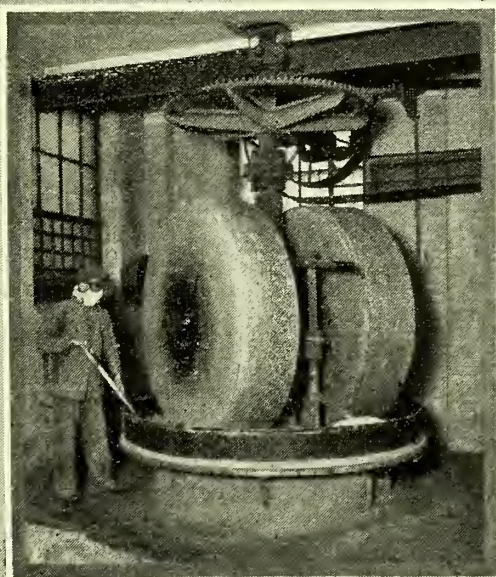
was converted into a limited liability company with a capital of £50,000, which has since been increased to £180,000. The present directors are Henry Potter, Ph.C., F.L.S. (chairman and managing director); Richard William Wren, chemist and druggist (son of the late R. C. Wren, who compiled Potter's Cyclopaedia of Botanical Drugs); William Potter-Mackenrot (grandson of the late Henry Potter); Cecil Potter-Mackenrot, chemist and druggist (younger brother of the above). In addition to Victoria Mills there are offices and warehouses at Artillery Lane, London, E.1; seed packing warehouse and garages at Casson Street, London, E.1, and the Manchester dépôt, Luna Street, Great Ancoats. The number of employees is now nearly 500.

In the Factory

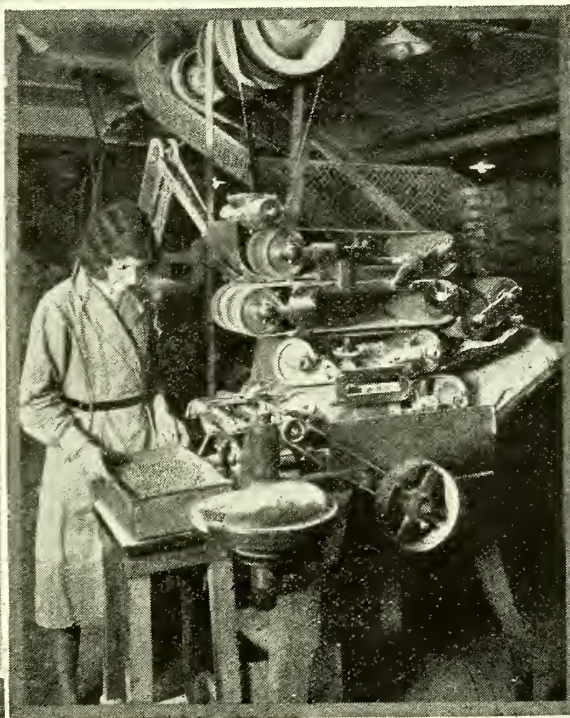
Under the able guidance of Mr. L. J. Walker, Ph.C., a CHEMIST AND DRUGGIST representative recently enjoyed an interesting tour of the mills. Commencing at the basement among the huge stocks of crude drugs neatly stacked in fixtures, our representative was conducted first to the pump room, where he was shown two artesian wells, capable of pumping into storage tanks 4,500 gallons of water every hour. The grinding department was next visited, where eight edge-runner mills were seen in operation. In this department also twelve ingenious mechanical sifting frames carry the process a little further. Near by is a large tubular boiler supplying steam to every part of the building.



THE ANALYTICAL LABORATORY OF POTTER & CLARKE, LTD.



EDGE-RUNNER MILL

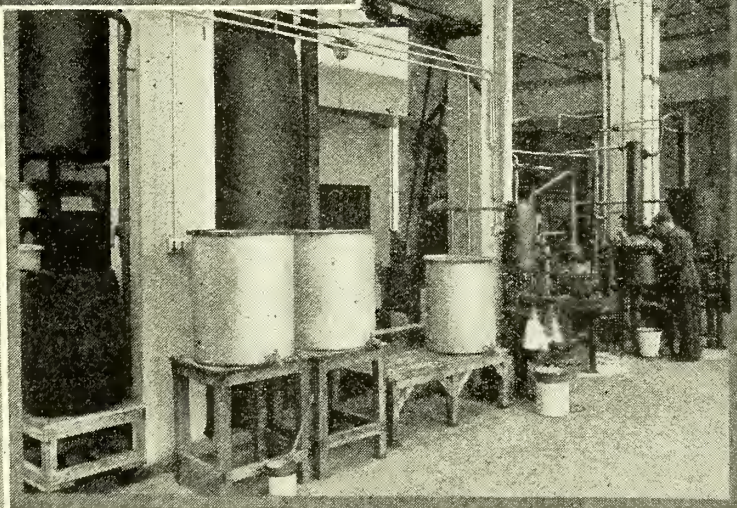


A COLTON PILL MACHINE



A CORNER OF THE DISPATCH ROOM

Some Aspects
of
POTTER & CLARKE'S
WORKS



ESSENTIAL OIL DISTILLING PLANT

One of the most important operations on this floor is the manufacture of Potter's Asthma Cure; this special department is entirely self contained. The ingredients are passed first through disintegrators; after mixing they are ground and then sifted. The operation of filling into tins is carried out over a dust extractor.

The second floor houses a number of extremely interesting features; the first is the pill-making plant including several Colton machines. Powders are weighed and mixed into a mass which is forced through perforated plates; the pipes are then cut, and the pills rounded and passed through an ingenious picker which separates those of odd sizes. The capacity of one Colton pill machine (illustrated elsewhere) is estimated at about .3 cwt. per day. Tablets are manufactured in the usual way; at the time of our representative's visit nine single-punch tablet machines were in operation. Of particular interest is the rotary punch turning out 400 tablets a minute and a machine producing chlorophyll tablets from chlorophyll manufactured by the firm. Pearl and sugar coating is carried out in the coating room where a battery of eight coating pans (four of which are steam-heated for sugar coating) is in operation. Twelve steam-heated cupboards are available for drying granulations and pills. This floor houses also the dispatch room (where may be observed cases ready to leave for many Imperial and foreign countries); machinery for the preparation of sweet herbs for culinary purposes (Messrs. Potter & Clarke design most of their own special machines); automatic machinery for the reduction of sugar to fine powder; a special room devoted to the cutting and polishing of rhubarb root; a spacious lozenge department and plant for the preparation of Slippery Elm food. The last named is a self-contained unit where the ingredients are mixed and passed into an elevator which feeds electrical weighing machines; the tins are then finished and packed.

The Analytical Laboratory

Ascending to the third floor and passing through a spacious storage department where large stocks of packed goods were noticed arranged in fittings, our representative arrived at the analytical laboratory which, he was informed, has been recently rebuilt and enlarged, in order to keep pace with the greatly increased volume of work. The laboratory is equipped with the latest scientific apparatus, and is planned upon modern lines. For example, all the benches are provided with power-points to work the numerous electrical devices which are used in modern analytical practice. These include electrically heated constant-temperature ovens, water baths and hotplates, electrically driven centrifuges, mortars, stirrers, and shakers. A new darkroom has been built in which optical instruments, such as polarimeters are housed, and where those chemicals which are affected by light can be stored. A new system of filing standard samples has been devised, the bottles being filed in cabinets in much the same way as are cards in a card-index. There are nearly three thousand of these standard samples, and no preparation is passed for sale until it has been compared with the corresponding standard. The most stringent tests are applied to the raw materials, preparations in course of manufacture, and to the finished products. These tests necessitate the use of very delicate instruments, and in this connection it may be mentioned that one of the new chemical balances is so finely constructed that one human hair is quite a big load for it. Special provision has been made for bacteriological and microscopical work in the form of benches with white glass tops, a large autoclave, filters and other necessary apparatus too numerous to mention. On the third floor also space is devoted to the packing of dandelion coffee, capsule making, lozenge packing, and to the manufacture and storage of tinctures.

Other Activities

Extraction of drugs by percolation for the preparation of extracts and liquid extracts is carried out on the fourth floor. It is interesting to note that 2,000 gallons of spirit are stored in this department ready for use. The steam laboratory contains batteries of alcohol-re-

covery stills and vacuum drying cupboards for the preparation of dry extracts. The firm's output of pastilles is large, and on this floor may be seen the process of manufacture. Six steam pans are used, and the liquid is run into starch moulds. The trays are then placed in drying cupboards and the pastilles afterwards freed from starch which, following treatment, is used again. The next room contains an emulsifier, homogeniser, a granite mill for preparing mercury ointment, and a number of Wilkinson Super Speedy ointment mills. Mention should be made here of the up-to-date printing shop, which, at the time of our representative's visit, was operating at full pressure. The shop is well equipped, turning out labels, lists, showcards, illustrated price lists, cartons, etc.

Perhaps the most interesting process observed on the fifth floor was the preparation of podophyllum resin. The resin is extracted in specially designed extractors, the resin precipitated, and the precipitate washed on washing screens; the resin is then spread on sheets of glass and allowed to dry. An ingenious machine (designed by Messrs. Potter & Clarke) scrapes off the resin, which is then powdered. The sixth floor is used for the storage of essential oils (for example, about one ton of clove oil is kept in stock), and an efficient refrigerator is in operation. Above this floor is a large room (illustrated on another page) specially used for the distillation of essential oils.

Space forbids more detailed description of many of the departments in this modern factory, and a number of the less important have been omitted. The visitor's final impression, however, is that this old-established business is being kept well abreast of modern scientific and technical development, and, as a result, continues to maintain a position of pre-eminence in the world of manufacturing pharmacy.

Coming Events

This section is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Tuesday, December 8

Glasgow Pharmacy Club, Athenaeum Restaurant, Buchanan Street, at 7.15 p.m. Whist drive, tickets 2s. 6d. each, from members of committee, or from the secretary, Mr. W. Peebles, 110 Springfield Road, Glasgow, S.E.

Pharmaceutical Society of Great Britain, 17 Bloomsbury Square, London, W.C.1, at 8.30 p.m. Second evening meeting of the session. Mr. M. D. Perrins (H.M. Home Office) on "The International Illicit Traffic in Drugs."

Wednesday, December 9

Birmingham Pharmaceutical Association, Masque Dance Hall, Walford Road, Sparkbrook, at 8 p.m. until 1 a.m. Annual dance, tickets 3s. 6d. each.

Croydon Pharmacists' Association and Branch of the Pharmaceutical Society, Café Royal, North End, at 8 p.m. Dance, tickets 3s. 6d. each, including refreshments.

Edinburgh Chemists', Assistants' and Apprentices' Association, 36 York Place, from 6.30 p.m. until 9.30 p.m. A pharmaceutical exhibition (including two lantern lectures) will be opened by Mr. David Harley (vice-chairman of the Executive of the North British Branch of the Pharmaceutical Society).

Pharmaceutical Society of Great Britain, Manchester, Salford and District Branch, Junior Section, Clydesdale Club, at 8.30 p.m. Mr. E. C. Cripps will introduce a discussion on "The Sale of Milk Foods in Infant and Child Welfare Centres and its Abuse."

Thursday, December 10

Pharmaceutical Society of Great Britain, Cambridge and District Branch, Pharmacological Laboratory, Downing Street, at 3 p.m. Mr. G. R. Boyes, B.Sc., F.I.C., Ph.C., on "Bacterial Materia Medica."

BOOKS ON COMPANY BUSINESS.—Recent publications by Jordan & Sons, Ltd., Chancery Lane, London, W.C.2, include "Company Accounts and Balance Sheets" (pp. 142, 5s.), by K. & M. Moore, and the ninth edition of "Converting a Business into a Private Company" (pp. 50, 1s. 6d.), by H. W. Jordan.

Westminster Wisdom

Notes on Parliamentary Matters

PATENT MEDICINES

Sir Alfred Beit asked the Financial Secretary to the Treasury on November 26 whether he will consider amending the Medicine Stamp Acts with the object of rendering all medicines protected by registered names or trade marks liable to duty, even if they be of a known, admitted or proved nature.

Mr. Chamberlain: My hon. Friend's suggestion has been noted, but he will not expect me to anticipate the next Budget statement.

Retail Pharmacists' Union

MEETINGS of the Executive of the Retail Pharmacists' Union and Chemists' Defence Association were held at 4 and 5 Queen Square, London, W.C.1, on November 24, Mr. W. H. Clubb in the chair.

KNOWN, ADMITTED AND APPROVED REMEDIES

The Executive received a report on the action against Lewis & Burrows, Ltd., who are members of the R.P.U.; the action was defended and conducted on their behalf by the organisation. The result, as indicated in the judgment, was eminently satisfactory; it has established the contention of the R.P.U. that disclosure by the P.F. and P.J.F. method is legal, provided there is absolute accuracy in the title and number to which reference is made. The importance of this case is only second to the Farmer v. Glyn-Jones case, which established the exemption for chemists.

SUPPLY OF MEDICINES TO SMALL SHOPS

Arising out of a letter received from a member who raised the question of controlling the supplies of medicines to small shops, the secretary was instructed to investigate the matter and bring the result before the General Purposes Committee, with a view to ascertaining what measures could be taken to deal with this form of competition.

N.H.I. TARIFF

A letter was received from the Ministry of Health stating that the suggestion of the Executive had been accepted, and that the amounts withheld from chemists by way of discount during the first half of the current year would be included in the payments for October.

The Executive agreed to accept the proposal made by the Ministry for the addition of Benedict's solution to the list of prescribed reagents in the tariff.

C.D.A. Matters

The secretary reported that of the nine cases outstanding since the last meeting three had been settled as follows:—(1) Illness caused by out-of-date milk food; claim settled by payment of £35 10s. (2) Illness caused by wrong strength of insulin supplied; claim settled by payment of £75. (3) Injuries caused by cycling errand-boy; claim settled by payment of £19 6s. 6d.

Of the ten new cases which had arisen during the month, six had been settled:—(1) Death of puppies caused by worm capsules; claim settled by payment of £2. (2) Damage to clothing caused by faulty bottle of liquid paraffin; claim settled by payment of 9s. 9d. (3) Damage to car caused by cycling errand-boy; claim settled by payment of £4. (4) Injuries caused by fall over member's shop cart; claim settled by payment of £2 9s. 6d. (5) Damage to clothing by packing case; claim settled by payment of £10. (6) Injuries and damage to clothing caused by member's railings falling; claim settled by payment of £5 3s.

"C. & D." Retail Price List

THE drug index for November is 131.9, against 130.5 in October, and 126.3 in September. The change is largely due to synthetics, iodides and bismuth. The surgical dressings index remains at the October figure of 135.0, which was an advance of two points over the September index. The following are the important changes which have occurred since those given in the C. & D., November 7, p. 568, and enable chemists to revise the quarterly issue of the Price List up to December 1:—

Cost		Selling Price			
		16 oz.	4 oz.	1 oz.	1 dr.
d.	per	s. d.	s. d.	s. d.	s. d.
36	oz.	Ammon. iodidum ..	—	—	5 3 0 9
48	oz.	Argenti vitellin ..	—	—	7 0 1 0
30	dr.	Benzaminæ hydrochlor.	—	—	— 4 5
30	dr.	Benzaminæ lactas ..	—	—	— 4 5
141	lb.	Bismuthi carbonas ..	5 2	1 6	0 3
15	oz.	Bismuthi citras ..	—	2 3	0 4
24	oz.	Bismuthi oxidum ..	—	3 6	0 6
124	lb.	Bismuthi subnitras ..	4 5	1 3	0 3
42	oz.	Caffeinæ iodidum ..	—	6 4	0 10
33	oz.	Calcii iodidum ..	—	4 10	0 9
55	lb.	Camphora (flores) ..	6 9	2 4	0 8 0 2
62	lb.	Camphora (1-oz. tab.) ..	—	—	0 8 —
64	lb.	Camphora (½-oz. tab.) ..	—	—	0 9 —
78	oz.	Cinchonidina ..	—	—	— 1 7
51	oz.	Cinchonidinæ hydrochloridum ..	—	—	— 1 2
51	oz.	Cinchonidinæ sulphas ..	—	—	— 1 2
51	oz.	Cinchonina ..	—	—	— 1 2
42	oz.	Cinchoninæ hydrochloridum ..	—	—	— 1 0
36	oz.	Cinchoninæ sulphas ..	—	—	— 0 9
41	oz.	Iodoformum ..	—	6 0	0 10
36	oz.	Iodum ..	—	5 3	0 9
42	oz.	Lithii iodidum ..	—	6 4	0 10
102	lb.	Pigmentum iodi meth. fort. ..	4 3	1 2	—
60	oz.	Piperazina ..	—	8 9	1 3
348	lb.	Potassii iodidum ..	12 0	3 6	0 7
36	oz.	Sodii iodidum ..	—	5 3	0 9
30	oz.	Strontii iodidum ..	—	4 5	0 8
36	oz.	Sulphuris iodidum ..	—	5 3	0 9
96	lb.	Tr. iodi decolorata ..	3 5	1 0	0 2
76	lb.	Tr. iodo mitis ..	9 6	2 9	0 9 0 2
54	lb.	Tr. quassiæ ..	—	1 10	0 7 0 1
66	lb.	Ung. iodi ..	—	2 6	0 9 0 2
90	lb.	Ung. iodoformi ..	—	3 2	0 11 0 2

Business Changes

MR. J. EARL JAMES, chemist and druggist, is opening a new pharmacy at 12 Glover's Road, Small Heath, Birmingham.

MR. H. S. SPARKS, chemist and druggist, has acquired the business of Mr. H. S. Dunn, chemist and druggist, 3 High Street, Bruton, Somerset.

Grosscurth & Luboldt, Ltd., merchants, have removed from 21 Mincing Lane, London, E.C.3, to Cory Buildings, 117 Fenchurch Street, London, E.C.3. Telephone: Monument 2408.

To enable French pharmacists to keep up to date in microbiology and parasitology, a series of special practical lectures has been arranged at the Paris Faculty of Pharmacy under the direction of the Dean.

Trade Notes

AN ILLUMINATED ADVERTISING APPARATUS.—Marathon, Ltd., 53 Bermondsey Street, London, S.E.1, have recently sent for our inspection one of their new Run-syne advertising machines. This works on the endless band principle, the letters forming the message being



easily attached and changeable at will. Approximately fifty words can be used at a time and these are in brilliant green, the chemist's name appearing above in red. The outfit includes 1,200 letters, and others can be purchased if required. Electric current of any voltage can be used to operate the machine, the estimated cost being less than 2d. per day.

CHRISTMAS WINES are advertised in this issue by James Burrough, Ltd., Cale Distillery, Lambeth, London, S.E.11.

BONUS OFFER EXTENDED.—Potter & Clarke, Ltd., 60 Artillery Lane, London, E.1, inform us that they have decided to allow the bonus offer in connection with Abbott's Ginger Wine Essence to remain available until the end of the year.

COLLOPLASMA.—The Crookes Laboratories (British Colloids, Ltd.), Gorst Road, Park Royal, London, N.W.10, announce there is no advance in the price of Colloplasma, their all-British kaolin poultice. A bonus offer is available in connection with this product.

HYPODERMIC NEEDLES of British manufacture are obtainable from British Surgical Industries, Ltd., 14 Regent Street, London, S.W.1. In ordering articles of this nature chemists should not omit to state the size required—that suitable for Insulin injections is No. 20.

ALBRO FILLING MACHINE.—We are informed by A. Bourjois et Cie, Ltd., 4 Water Lane, London, E.C.4, that the capacity of the Albro filling machine mentioned in a description of their London factories (*C. & D.*, November 28, p. 644) should read "eighty gross per day" and not as stated.

RALEIGH AND THE LORD MAYOR.—There was an interesting gathering at the Embankment entrance to the Savoy Hotel, London, on December 1, to welcome the arrival of two new Raleigh light delivery vans which



had travelled from Edinburgh to London in twenty-four hours, each carrying a load of 5 cwt. Those present included Sir Harold Bowden, chairman of The Raleigh Cycle Co., Ltd., Nottingham, and the Lord

Mayor of London. The Lord Mayor at the subsequent luncheon in the Savoy Hotel mentioned that one of the vans carried a present from the Lord Provost of Edinburgh to himself consisting of a case of whisky, some haggis and a fine volume of the history of Edinburgh. The Lord Mayor likewise mentioned that the Raleigh Cycle Co.'s works at Nottingham now covers an area of twenty acres, that they employ 5,000 workmen and manufacture 150,000 cycles yearly. The chief points in connection with the new vans are the small cost, the tax including third party insurance (£7 10s.), and the fact that each van can be driven, if necessary, by a boy of sixteen. The new van is exceedingly economical to run, averaging fifty miles to the gallon of petrol. In the course of his after-luncheon speech, the chairman, Sir Harold Bowden, remarked that the van should appeal to every trader and shopkeeper, and he mentioned that it had a very good reception abroad and would undoubtedly sell well here.

VELDT CREAM.—May, Roberts & Co., Ltd., 9 Clerkenwell Road, London, E.C.1, have sent us specimens of

Veldt cream in its new packing. The photograph shows the improved style, also the attractive showcard which is available, and it will be appreciated that with such material it is not difficult to arrange a sales-compelling display—especially at this season of the year. It should be noted that in addition to its emollient properties Veldt cream is an ideal base for powder, an asset which is a special interest to the fair sex. The bonus terms available for counter or window display will be sent on application.



Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1931, p. 345.

(From "The Trade Marks Journal," November 18, 1931.)

- "SOLASP"; for medicinal chemicals (3). By Genatosan, Ltd., 43 Regent Street, Loughborough, Leicestershire. 526,587.
- "REGINA"; for photographic paper, etc. (39). By Elliott & Sons, Ltd., Park Road, Barnet, Hertfordshire. 524,929. (Associated.)
- "REVOLINE"; for soap, etc. (47) and for toilet soap (43). By A. Gomez, 17 bis Rue Charles Lecoq, Paris. 522,530.
- "ARDENA PROTECTA CREAM" on oval design; for toilet cream (43). By Elizabeth Arden, Ltd., 25 Old Bond Street, London, W.1. B524,007.
- "PERMYCREEM"; for all goods (43). By Persey (Toiletries), Ltd., 1 Bayley Lane, Coventry. 525,528.
- "RED DIAMOND BRAND" on diamond shape with letters "B.B. & Co." ("B.B. & Co." disclaimed); for toilet articles, excluding soap (43). By Burgoyne, Burdidges & Co., Ltd., East Ham, London, E.6. 525,644. (Associated.)
- "KODENT"; for dentifrices (43). By W. Galloway, 39 Morley Street, Bradford. 526,164.
- "BOTRYS"; for perfumery, etc. (43). By J. Dieux, 2 Quai des Celestins, Paris. 526,498.
- "GUERNESIA"; for perfumery, etc. (43). By A. G. Morum, The Belvidere Pharmacy, The Commercial Arcade, Guernsey. 526,510.

Births

Notices for insertion in this column must be properly authenticated.

SWINDLE.—At Brightside Nursing Home, Malvern, recently, the wife of Noel Swindle, M.P.S., of a daughter.

Marriages

EVANS—EARLE.—At Carlisle, recently, R. Edward Evans, chemist and druggist, Whitland, Carmarthen-shire, to Annie Beatrice Earle.

Deaths

BARLOW.—At his residence, "Hurstdale," Manchester Road, Burnley, recently, Mr. Joseph Alexander Barlow, chemist and druggist, 1 Accrington Road, aged seventy-nine. Mr. Barlow carried on business in Burnley for more than fifty years. He was elected to the Town Council in 1881, and afterwards served on the Board of Guardians. He was also president of the Ightenhill Bowling and Tennis Club. Mr. Barlow is survived by three sons and three daughters.

BLUETT.—On November 20, Mr. Reginald Bluett, chemist and druggist, 121A St. Alban's Road, Watford, aged seventy-nine. Mr. Bluett carried on business at St. Albans for thirty-three years, and was an active worker at St. Andrew's Church.

CHATTWOOD.—At his residence, 7 Lynwood Avenue, Patricroft, Mr. Joseph Chattwood, aged eighty-one, on

November 23, after a brief illness. Mr. Chattwood, who was born at Edenfield, entered pharmacy in the old retail establishment of James Woolley, Sons & Co., Ltd., Manchester, and later became a representative for Raimes & Co., York. For the last twenty-five years he has represented William Mather, Ltd., pharmaceutical and surgical plaster manufacturers, Manchester, in the Lancashire and Yorkshire areas, retiring at the end of October. He was well known and respected by the majority of the retail chemists of

Lancashire and Yorkshire. The funeral took place on November 27 at Peel Green Cemetery, Patricroft, after a service at Eccles.

CURNOW.—At Trescowe, recently, Mr. Cyril Morley Curnow, chemist and druggist, aged twenty-three.

ENOCH.—On November 21, Mr. Abraham Enoch, chemist and druggist, 74 High Street, Blackwood, Mon. Mr. Enoch, who qualified in 1891, was in business at Blackwood for several years, and previously had a pharmacy at Tewkesbury. The funeral took place with masonic honours on November 24 at Bedwelty. A large concourse of Worshipful Masters of local lodges gathered to pay respect to one who had devoted much time to the masonic cause.

HARRISON.—At his residence, 24 Holker Street, Keighley, on November 29, suddenly, Mr. Joseph Harrison, chemist, 73 Low Street, aged sixty-four.

HUMBLE.—At Whitby, on November 10, Mr. John Mitchell Humble, retired chemist and druggist, aged eighty-one.

NEWCOME.—At 71 High Street, Grantham, on November 27, following an operation, Mr. John Newcome, chemist and druggist, aged sixty.

PECK.—At 3 Heathdene Road, Streatham, London, S.W.16, on November 30, after a brief illness, Mr. Frederick William Peck, chemist and druggist. Mr. Peck, who qualified in 1879, was a brother of Mr. E. Saville Peck, Ph.C., Cambridge. After experience in business at Croydon and in the City of London, he joined the staff of Genatosan, Ltd.

PURSE.—The funeral of the late Mr. A. H. M. Purse, M.B.E., chemist and druggist, Elm Tree House, Ely Road, Llandaff, whose death was recorded in our issue of November 28 (p. 647), took place at Cardiff Cemetery on November 25. The Welsh Board of Health was represented by Mr. John Rowland, C.B., M.V.O., J.P., Dr. Llewellyn Williams and others. Messrs. Eynon Lewis (clerk of the Glamorgan Insurance Committee), Butler Jones (clerk of the Monmouthshire Insurance Committee) and other members of several Insurance Committees also attended. The pharmacists present included Mr. Alec S. Johnson (Cardiff Pharmaceutical Service Subcommittee), Mr. R. Robinson (vice-president, Cardiff Branch of the Pharmaceutical Society), Mr. A. J. Harris, Mr. S. H. Willis and Mr. E. Poole.

SCOTT.—At Ramelton, co. Donegal, on November 24, Mr. Alfred Caldwell Scott, J.P., R.D., Main Street, Portrush. Mr. Scott was registered (as a chemist and druggist) by the Pharmaceutical Society of Ireland in 1891, and by the Pharmaceutical Society of Northern Ireland in 1926. He retired from active business recently. He was an ex-chairman of the Urban Council, and for fifty years was superintendent of Portrush Presbyterian Sunday School. Mr. Scott leaves two sons.

THOMAS.—At his residence, 142 Overton Drive, Wanstead, recently, Mr. Idris George Thomas, chemist and druggist, 52 Ilford Lane, Ilford. Mr. Thomas qualified in 1923.

Personalities

BRO. C. HUXTABLE, Ph.C., Paignton, has been appointed S.W. of the Miles Coverdale Masonic Lodge, No. 5,069.

MR. JACK HART, chemist and druggist, has been granted permission to practice in the island of Guernsey.

MR. F. SOUTHERDEN, B.Sc., managing director, Evans, Gadd & Co., Ltd., manufacturing chemists, Exeter, has been nominated by the local chamber of commerce as one of its representatives upon the Tariff Consultative Committee which is being set up by the Association of British Chambers of Commerce.

MR. T. B. CLARKSON, chemist and druggist, who was formerly on the staff of Boots, Ltd., Derby, was presented at a staff social recently with an oak table and reading lamp by Mr. E. Crossley, chemist and druggist, on behalf of the staff. Mr. Clarkson recently left Derby to become manager of the company's branch at Melton Mowbray.

ALDERMAN DR. D. G. CLARIDGE DRUCE, F.R.S., has presented to the city of Oxford a copy in oils of the portrait of himself recently painted by Mr. de Laszlo (C. & D., July 4, p. 1). The presentation was made by Lord Saye and Sele. The Mayor, in accepting the portrait, remarked that the city was already indebted to Dr. Druce for its Sheriff's chain and other gifts. Dr. Druce (whose public work has just been the subject of an appreciative article in the "Oxford Mail") made a brief reference to his botanical publications and to his long chairmanship of the public health committee of the City Council.



MR. JOSEPH CHATTWOOD



John Bell, Hills & Lucas Ltd

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Tubes and
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Made Chemist's Sun-
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Acting independently or in association with a leading
London Advertising Agency, is prepared to study your
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THE CHEMIST AND DRUGGIST

VOL. CXV DECEMBER 5, 1931 NO. 2704

Customs and Excise Report

THE twenty-second report of the Commissioners of Customs and Excise was issued recently (Stationery Office, 3s.). The report, covering the year ended March 31, 1931, states that the total revenue received was (in round figures) £246,000,000, a decrease of over £1,900,000 compared with the previous year. The revenue gained by forestalments at the end of the year, estimated at £3,000,000, was mainly from tobacco and spirits, but wine, sugar, cocoa, and possibly one or two other items, were also affected. But for these forestalments there would have been a decline of about £5,000,000 on the previous year's receipts, the effect, in general, of the trade depression. Compared with the Budget estimate, the revenue showed a deficit of £6,500,000, also due, it is stated, to depression in trade. The consumption of spirits has been declining since 1919-20, and the fall continued during 1930-31. The estimated revenue for the latter year was £41,000,000, against receipts of £42,600,000 in 1929-30; but the actual revenue in 1930-31, despite some forestalling at the end of the year, was only £40,600,000, thus showing a deficit of about £400,000 on the estimate. The total quantity of spirits issued during the year for the manufacture of methylated spirits was 10,615,402 proof gallons; the uses of industrial methylated spirit are set out in Table 29, from which we have extracted the following:—

Use	Quantity used	
	Year ended March 31	
	1930	1931
Soap	171,182	157,733
Hair washes	129,937	119,971
Cattle medicines	6,462	4,487
Plant washes, insecticides and sheep dips	3,809	7,310
Ether	157,465	131,446
Crude acetic and other esters for industrial purposes (For sale)	98,366	93,186
Chloroform	614	1,500
Ethyl chloride and bromide	6,361	11,187
Solid medicinal extracts	85,602	96,024
Alkaloids and fine chemicals	111,487	84,920
Embrocations, liniments and lotions	60,864	64,660
Surgical dressings	23,401	34,334
Capsules and other medicinal appliances	5,178	3,922
Disinfectants	9,659	17,025
Collodion	69,365	85,834
Photographic plates and papers, and other photographic purposes	75,396	90,914
Use in dispensing on doctors', dentists' or veterinary surgeons' orders or prescriptions under No. 10 of the Methylated Spirits Regulations, 1925	3,625	4,728

The yield of revenue from medicine-stamp duty shows a drop in the year under review. The following table discloses the net receipts from this source during the past five years:—

Year ended March 31			England	Scotland	Total
			£	£	£
1926-27	..	..	1,285,553	9,586	1,295,139
1927-28	..	..	1,238,567	10,878	1,249,445
1928-29	..	..	1,320,780	12,732	1,333,512
1929-30	..	..	1,221,921	12,278	1,234,199
1930-31	..	..	1,084,241	13,360	1,097,601

In view of the decrease in revenue from medicine-stamp duty the figures of Table 117 (Makers and Vendors of Stamped Medicines) are of added interest:—

Year ended March 31	England		Scotland		Total	
	No.	Net Receipts	No.	Net Receipts	No.	Net Receipts
		£		£		£
1926-27	55,210	13,797	4,522	1,131	59,732	14,928
1927-28	71,621	17,900	4,808	1,202	76,429	19,102
1928-29	84,362	21,078	5,619	1,404	89,981	22,482
1929-30	98,077	24,511	7,526	1,880	105,603	26,391
1930-31	103,639	25,904	6,820	1,703	110,459	27,607

Receipts from table-waters duties show a deficit of £37,000 from the Budget estimate of £410,000; the decrease is stated to be due to unfavourable weather and the decline in the consumption of spirits. Key-industry duty is dealt with in Table 83, which shows net receipts at £616,469, a decrease of £154,781 compared with the previous year. The number of samples of imported goods taken and submitted for analysis under the Food and Drugs and Public Health Acts was 32,639, which figure includes 740 samples under Preservative Regulations. The report concludes with statistical appendices.

Dentistry and Dental Surgeons

AN interesting position—of importance to chemists who practise dentistry—has been arrived at by the decision of the Court of Appeal in the case of Attorney-General v. Weeks, reported in our issue of November 7. The appellant was defendant in an action by the Attorney-General at the relation of the British Dental Association, in which a declaration was sought that the use by the defendant of the title "dental surgeon" was a breach of the law. This action was tried by Mr. Justice Farwell (C. & D., August 1, p. 142), who decided against the defendant. We do not know whether the case will go to the House of Lords or not, so our comments must be restrained; but the difficulty of the position, as we see it, lies in the apparent contradiction between the terms of the Dentists Act, 1878, and the Dentists Act, 1921. Section 5 of the earlier Act says:—

"A person registered under this Act shall be entitled to practise dentistry and dental surgery in any part of Her Majesty's dominions."

If we contrast with Section 4 of the Act of 1921 we get into difficulty. That Section reads thus:—

"A person registered under the principal Act—(a) Shall, by virtue of being so registered, be entitled to take and use the description of dentist or dental practitioner; (b) shall not take or use, or affix to or use in connection with his premises, any title or description reasonably calculated to suggest that he possesses any professional status or qualification other than a professional status or qualification which he, in fact, possesses, and which is indicated by particulars entered in the register in respect of him."

The Court of Appeal has held that under this Section the use of the title "dental surgeon" by the appellant is illegal. Yet it is clear from Section 18 (1) that a person registered under the Act of 1921 is also registered under the principal Act, i.e., the Act of 1878; and that Act says he is entitled to practise dental surgery. Suppose a man put a brass plate on his door on which was inscribed, "Registered under the Acts of 1878 and 1921 to practise dental surgery"; would that be a breach of the law?

Pharmaceutical Society of Great Britain

Council Meeting

A MEETING of the Council was held at 16 Bloomsbury Square, W.C.1, on December 2, Mr. A. R. Melhuish (president) in the chair. There was a full attendance.

TUESDAY'S PROCEEDINGS

Among the transactions on December 1 were the following:—

A letter was received from the Institute of Chemistry stating that it was probable that further negotiations regarding the supplemental charter would proceed with various bodies, but that the Institute was not likely to put in a formal petition unless and until the Pharmacy and Poisons Bill becomes law.

A letter was received from the Scottish Pharmaceutical Federation suggesting that the term of apprenticeship should be four years, during which at least 4,000 hours should be spent in the dispensing and compounding of medicines and that the Society should make a new by-law to this effect. The letter was referred to the Education Committee.

The Pharmacy Board of South Africa sent the following resolution:—"That the South African Pharmacy Board, being satisfied with the examination certificates granted by that body fulfilled the requirements of Section 2 (a) and (c) of the Act 13, 1928, was prepared to enter into negotiations for the reciprocal recognition of certificates." The letter was referred to the Education Committee.

DEATH

The PRESIDENT, at the outset, made appropriate reference to the death of Mr. George Lunan, Ph.C., of Edinburgh, a former chairman of the North British Branch and of the Board of Examiners in Edinburgh. Though perhaps not known personally to some members of the Council, his name was known to all. His reputation stood very high, and he had undertaken many investigations for the 1914 edition of the British Pharmacopoeia, while his scientific work was of a high standard.

Mr. JACK said he appreciated all that the president had said about his old friend and colleague. Mr. Lunan was an ideal pharmacist in every way, and would be sadly missed by his colleagues in the North. Both as a pharmacist and in business he was a man of outstanding ability. His friends looked upon him as a tower of strength, and the medical profession of Edinburgh held him in high regard. As an examiner he was ideal. Mr. Jack suggested that a letter of sympathy should be sent to Mr. Lunan's widow and surviving son.

The suggestion was adopted, and the Council stood in silence as a mark of respect.

ELECTIONS AND RESTORATIONS

Two persons were elected as members of the Society, and two as student-associates. A number of persons were restored to membership of the Society. The registrar reported that 117 persons had been registered as apprentices or students.

INVIGILATORS AND THEIR DEPUTIES

The following were appointed invigilators and deputy invigilators of written examinations for the ensuing year:—

England and Wales

Birmingham	...	E. C. Bennison, T. H. Foden
Brighton	...	J. Plowright, F. W. Burgess
Bristol	...	A. L. Taylor, W. Hetherington
Cardiff	...	E. Poole, E. W. Hill
Leeds	...	H. Gillegham, N. N. Armitage
London	...	C. A. Noble, W. E. Gaze, F. G. Hobart
Manchester	...	T. Miller, F. Brindle
Nottingham	...	E. C. Carr, W. J. Clay
Portsmouth	...	F. H. Ruoff
Sunderland	...	W. Nimmo, H. Wardropper

Scotland

Aberdeen	...	W. F. Hay, M. K. Watt
Dundee	...	J. R. Milne, J. H. Thomson
Edinburgh	...	J. Nesbit, D. McEwan
Glasgow	...	P. M. Duff, H. P. Arthur

EDUCATION COMMITTEE

The report of the Education Committee stated that a number of schools had been approved for subjects required by the Preliminary Scientific examination.

The Committee had considered the position which has arisen as a result of the recent 10 per cent. cut in the salaries of teachers by local education authorities. A number of heads of departments of pharmacy were now receiving less than the £500 which was agreed upon as the minimum salary which they should be paid. The Committee felt that in view of the national emergency which had made the cuts necessary, the present was not an appropriate time to make representations concerning the effect of the reduction upon the salaries of pharmaceutical teachers. They considered, however, that the Council should take the earliest favourable opportunity to approach local education authorities with a view to the position of these teachers being reconsidered.

With regard to the Scholarship examination, the Committee stated that they were asked to consider and report upon the following two questions:—(1) The position of competitors who have commenced an approved course for either of the qualifying examinations; (2) the number of marks required to qualify for the award of the Manchester scholarship. One of the rules of the competition is that persons who have commenced an approved course of instruction for either of the Qualifying examinations or approved degree are not eligible for an award. In applying this rule, doubt has arisen whether it excludes persons who are attending an approved part-time course for the purpose of usefully occupying their time until they can take a full-time course. The Committee considered that such persons should not be excluded, and that the rule should be altered to make it clear that they are not affected. (A wording to this effect was suggested.) The Committee also suggested that persons coming within the scope of the rule should not merely not receive an award, but should not be allowed to enter for the competition.

Mr. MARNS said the Committee had done something which he considered perfectly right and justifiable. They had made it possible for an apprentice who had passed his Preliminary Scientific examination to occupy his time usefully for the rest of his apprenticeship instead of being prevented from entering for scholarship examinations. But why was it necessary to use such involved language in the recommendation, and then advise students to write to the registrar if they were in doubt regarding the position? He thought that course would probably be followed by most of the students. It should not be beyond the power of the Committee to say in plain, clear language which every student could understand that if the student were taking a part-time course he would be eligible, but not if he were attending a full-time course. With that reservation he complimented the Committee.

Considerable discussion on conversational lines followed. Several members voiced the opinion that the proposed regulations might not adequately safeguard the possibility of a student doing what the Committee desired to prevent. All were agreed that every encouragement should be given to apprentices to occupy their time usefully.

The SECRETARY explained that the difficulty would be appreciated by the Council if an example were given of what might happen. Two students attending a recognised part-time course for the Qualifying examination, having got half-way through, might decide to

enter for a scholarship. One, perhaps, won it, and then decided to take a whole-time course. The other, having failed, would have to continue his part-time course. It would be realised that both had intended to take the part-time only, and the alteration of plan on the part of one would only be made when the examination results were announced. The difficulty was that they could not legislate for a state of mind. All that could be done was to keep an eye on the subsequent history of scholarship winners, and the regulation now proposed would enable this to be done.

The PRESIDENT said that the question of a part-time course was one the Committee might go into.

The report was adopted, one member voting against the recommendation.

BENEVOLENT FUND COMMITTEE

The report of this Committee showed that fifteen applications had been received, and grants made ranging from £8 to £30. The following special contributions were acknowledged:—Western Pharmacists' Association (annual dinner), £30; W. P. Bowman, £21; Watford Branch, £17; Nottingham and District Branch, £10 10s.; Leeds Branch, £8 7s.; Brighton and Hove Association, £5 5s.; Isle of Wight Branch, £5 5s.; Retail Pharmacists' Union (Hull Branch), £5 5s.; Lancaster, Kendal and District Branch, £3 15s. 6d.; Exeter and District Branch, £2 19s. 10d.; H. R. Fletcher, £2 11s. 6d.; East Anglian Federation of Pharmacists, £2 9s.; Northampton Pharmacists' Association, £2 2s.; M. Firth, £1; Southampton Branch, 19s. 6d.; F. G. Holoran, 10s.; R. Deck, 7s. 2d. *Orphan Fund*.—Exeter and District Branch, £10; National Association of Women Pharmacists, £4.

Mr. BEARDSLEY said the list was a very interesting one. He had had the honour of being present at the dinner of the Western Association and receiving the cheque for £30 from Mrs. Evans, the wife of the president. The Western Association had made a splendid effort, and the ladies especially were taking a keen interest in the Benevolent Fund. The ladies of the West and the East of London had done well, and if those in other parts of the country would only do their best in the same direction, there would be no deficit of over £300 to be met at the end of the year. The vice-president had been to Leeds, where he received £29. Pharmacists should apply for the special collecting boxes, which could be placed in their shops.

Mrs. FREKE said the ladies of the Western Branch had done a tremendous lot of work under the leadership of Mrs. Evans.

The PRESIDENT associated himself with the tribute.

The report was adopted.

WAR AUXILIARY BENEVOLENT FUND

The Committee reported that since the last meeting they had received seven applications, and grants had been made, which were now recommended, ranging from £10 to £52. The report was adopted.

FINANCE COMMITTEE

The financial statement showed that receipts since the last meeting, including a balance of £16 6s. 8d., amounted to £5,586 7s. 1d., comprising the following items:—Subscriptions, £45 13s. 6d.; registration fees, £226 16s.; examination fees, £165 18s.; School of Pharmacy, £62 10s.; Pharmacological Laboratories, £103 7s.; penalties, £24 13s. 11d.; rents, £25; "Pharmaceutical Journal," advertisements, etc., £1,084 16s. 8d.; Quarterly Journal, £8 9s. 10d.; "Pharmaceutical Pocket Book," £27 3s. 4d.; Registers, £1 4s. 3d.; examination papers, £5 17s. 6d.; Pharmaceutical Press publications, £18 16s. 5d.; B.P. Codex, £149 15s. 6d.; "Forensic Pharmacy," £8 9s.; F.S.S.U., £11 9s. 6d.; transferred from deposit account, £3,600. Payments ordered at the last meeting amounted to £5,548 3s. 10d., leaving a balance of £38 3s. 3d. The balances on the other accounts were:—Benevolent Fund (current account), 15s. 2d.; Benevolent Fund (donation account), £21 7s. 11d.; War Auxiliary Benevolent Fund, £67 1s. 3d.; Orphan Fund, £45 8s. 1d. The report recommended that accounts amounting to £5,943 15s.

be paid, and that the action of the secretary in making payments amounting to £964 7s. 11d. be approved. The report was adopted.

ORGANISATION COMMITTEE

In response to a resolution from the Oxford Branch, the Committee were of the opinion that early in 1932 a circular might be sent to those chemists on the register who are not members of the Society, pointing out to them the privileges enjoyed by members, and how desirable it is for them to give the Society their support.

Manchester Conference Statistics were submitted as follows:—Number of Delegates appointed, 151; number of Branches that did not appoint delegates, 57; possible total of Delegates, 257; number of Delegates who attended, 124; cost of Delegates, £131 18s. 1d.

Mr. NEATHERCOAT said with reference to the circular to be sent to non-members that the whole of the pharmacists on the register benefited by the work done by the Society. It was only fair that those who shared in the benefits should also help to bear the cost of the work done on their behalf. There were also still a large number of branches which did not avail themselves of the opportunities to appoint delegates to attend meetings, and a further number which appointed delegates who did not attend the delegates' meetings. These were an important part of the Society's management scheme, and provided opportunities for the branches to express their views on pharmaceutical matters of importance. The Committee felt that as the Society was prepared to make grants, greater personal and practical interest should be taken in the meetings by the branches, a number of which had been defaulters for some years. The report was adopted.

LAW COMMITTEE

The report of the Law Committee, presented by Mr. Marns, stated that in the case against an unqualified person for selling poison, heard at Brentford County Court on November 26, judgment was given for the defendant, with costs. The general effect of the judgment was carefully considered by the Committee, and it was resolved to recommend that the Society appeal in the case of the Society v. Brown, and that the registrar be authorised to take the necessary steps for that purpose.

The report also stated that in England and Wales, since the last report, 831 shops have been visited; of these, 546 were chemists' shops. In three chemists' shops no certificate was exhibited, but in each case a certificate is now exhibited. At eleven of the shops carried on by unqualified persons certain infringements of the Pharmacy Acts were reported. In Scotland, since the last report, 102 chemists' shops have been visited. In all these shops certificates were exhibited.

This was all the public business.

Election of Annuitants

A meeting for the election of eight annuitants of the Society was held at 17 Bloomsbury Square, on December 2, the president in the chair. There was no contest. The following were elected:—Close, Thomas; Corke, Susanna; Dawson, Annie E.; Eynon, Clara; Lambie, Helen C.; Moysie, Julia A.; Price, Catherine; Watkinson, Esther.

Branch Meetings

Bristol.—A meeting of the Bristol Branch was held recently, Mr. W. J. Davis in the chair. An address was given by Dr. Frank Bodman on *Homœopathy*. The outlook on medicine in Hahnemann's time, said Dr. Bodman, was a material one. The cause of illness was supposed to reside in the poisonous nature of the excretions of the body, and drugs were used solely on account of their eliminatory virtues. Diseases were classified into types, and the disease treated rather than the patient. Hahnemann inaugurated a long series of

pharmacological experiments on healthy human subjects of all types. The symptoms produced by the "provings" of all kinds of drugs are recorded in his works. Evidence for the *rationale* of the micro-doses used in homeopathy was brought forward, including the Horder report on the emanometer technique of Boyd, and the researches of Persson of Leningrad on the activation of enzymes by homeopathic dilutions of various agents.

Exeter.—The annual meeting of the Exeter and District Branch was held on November 18. The annual report and accounts were adopted, and the following officers were elected:—*Chairman*, Mr. I. R. Phillips; *Vice-Chairman*, Mr. W. R. B. Arnold; *Treasurer*, Mr. W. W. Pine; *Auditor*, Mr. E. G. W. Hodge; *Secretary*, Mr. F. Southerden; *Social Secretary*, Mr. A. C. Milton; *Committee*, Messrs. F. E. Battershill, G. A. Clarke, F. Dyson, M. T. Foster, A. T. Hayward, W. E. Hollows, J. W. Lake, P. F. Rowsell, W. J. Shepperd and P. F. Trestrail.

Isle of Wight.—At a meeting of the Isle of Wight Branch of the Pharmaceutical Society, held on November 22, the following officers were elected:—*Chairman*, Mr. F. W. Beken; *Secretary*, Mr. W. Ramage. The Newport Evening Classes Committee, having been given provisional recognition of Part I studies, a resolution was passed stating that Newport was a convenient place for those studies, and urging chemists to bring pressure to bear upon their apprentices and unqualified assistants to attend. The speakers were Mr. J. Keall (treasurer of the Society) and Mr. Frank Browne. The subjects dealt with were the Proprietary Articles Trade Association, the Drug Fund, and other subjects.

Lancashire (N.E.).—At a meeting of the North-East Lancashire Branch, recently, Mr. James Jack (a member of the Society's Council) gave an address. Mr. Joseph Isherwood (president) was in the chair. Mr. Jack touched briefly on various aspects of the Society's activities and trade topics in general. The Society's threefold aim, he said, was education, protection and benevolence. After ten years on the Council he had received, he said, a wonderful insight into matters pharmaceutical. On the educational side everyone would appreciate the importance of having well-trained apprentices. He deprecated any scheme of students having to rely upon evening instruction. It should be possible, he thought, for their youngest student to go right through to the highest pharmaceutical examination, and their major examination should not be of less quality than that which entitled a student to the B.Sc. degree. Mr. Jack defended the Society in purchasing new premises in Brunswick Square at a cost of over £57,000. In the realm of benevolence they were anxious to perform their proper task. It was only recently they had come to realise the poverty and distress in which some of their professional friends were situated. Other useful activities were the Orphan Fund and the War Auxiliary Benevolent Fund. He thought every chemist should refuse to supply any unqualified vendor: let them be fair and loyal to their own craft. As to the Pharmacy Bill, there was much in this measure to which many of them might object. If the new Bill passed, although they would have to meet the costs of their inspectors, they would not have to finance court proceedings. In Scotland the whole of the dispensing was in the hands of chemists, and the same should apply in this country. The Society represented the profession, and there was no likelihood of it being dominated by outside bodies. The Society was indebted to its president. An interesting discussion followed. Mr. Jack maintained that the student-associate had substantial advantages for the subscription which he paid. Asked if the profession had now any friends in Parliament, Mr. Jack replied in the affirmative. The chairman asked if it would not be better to charge a general fee of 5s. or less for student-associates. Mr. Jack said he appreciated the argument. He would consider what had been urged, and would put it forward in the proper quarter. Answering other questions, the speaker doubted whether the ordinary evening school

would continue to be considered part of the curriculum. Mr. W. Lightbown mentioned that in Blackburn they had a four years' apprenticeship, and the students attended the day classes at the Technical College. He thought the Society had made a mistake in stipulating 4,000 hours without setting forth the duration of the apprenticeship. Mr. Jack said the Blackburn Technical College was doing what the Society was trying to see established throughout the country.

North Staffordshire.—The annual meeting of the North Staffordshire Branch of the Pharmaceutical Society was held on November 17. The president (Mr. H. C. Shaw) stated that he was happy to be able to report such a successful year. During the progress of the Pharmacy and Poisons Bill, it appeared to him that right came very secondary to expediency, and he was impressed with the necessity of the Branch, and its members individually, being actively loyal to the Society. He thought that the social side was the key-stone of a successful branch, and should be given full scope. The secretaries (Messrs. W. Stanier and W. F. Redfern) reported that attendances had been maintained. The following officers were elected for the ensuing year:—*President*, Mr. S. J. Mott; *Vice-Presidents*, Messrs. W. E. Cropper and S. Farmer; *Treasurer*, Mr. L. W. Piggin; *Secretaries*, Messrs. W. Stanier and W. F. Redfern.

Portsmouth.—The eighth annual meeting of the Portsmouth and District Branch was held recently, Mr. W. L. Egerton in the chair. The chairman reported on the annual conference of the Society, to which he was a delegate, and the secretary (Mr. F. H. Ruoff) reviewed the work of the Branch during the year and also spoke of the action taken in connection with the Pharmacy and Poisons Bill. He was instructed to write thanking local members of Parliament for the interest they had taken in this matter. The financial statement showed a satisfactory balance in hand, and the social activities of the Branch formed the subject of an interesting report by Mr. T. A. Johnson (secretary of the Sports and Entertainment Committee). The following officers were elected:—*Chairman*, Mr. J. W. Rogers; *Vice-Chairman*, Mr. F. Hemming; *Treasurer*, Mr. G. W. Darling; *Secretary*, Mr. F. H. Ruoff; *Auditors*, Messrs. J. E. Eyres and J. W. Rhodes; *General Committee*, Messrs. J. Arkell, W. R. Atterbury, W. H. Bown, W. L. Egerton, R. H. Fleming, C. Fry, A. W. Goddard, A. V. Glanville, T. A. Johnson, E. D. Lewis, H. A. McCoy, W. L. B. Murray, with the officers; *Sports and Entertainment Committee*, Miss Atterbury, Messrs. W. R. Atterbury, W. H. Bown, W. L. Egerton, C. Fry, A. W. Goddard, F. Hemming, T. A. Johnson, W. L. B. Murray, W. R. Parsons, J. W. Rogers and F. H. Ruoff.

Plymouth.—The annual meeting of the Plymouth and District Branch of the Pharmaceutical Society was held recently, Mr. A. H. Ware (president) in the chair. The following officers were elected:—*President*, Mr. T. B. Harvey; *Secretary*, Mr. G. L. Hellens; *Treasurer*, Mr. A. H. Attewell; *Committee*, Miss Martin, Messrs. A. H. Ware, T. H. Lewis, F. T. Barge, A. C. Marrow, B. R. Shelton, C. Condy U'Ren, B. J. Woodrow, C. W. Collins, A. Downing, J. T. Pedler, and W. J. Gale. Mr. Shelton (social secretary) read the report of two successful functions held during the year; a profit of over £9 was made.

Watford.—The annual general meeting of the Watford and St. Albans Branch of the Pharmaceutical Society was held on November 12, Mr. R. C. Tween in the chair. The following officers were elected for the ensuing year:—*Chairman*, Mr. Hubert B. Figg (Berkhamsted); *Secretary*, Mr. W. A. Main (Berkhamsted); *Committee*, Miss Macpherson, Messrs. Barker, King, Lewis, Sumner, Tween, Warren and Wood; *Auditor*, Mr. Hutcheon. Mr. P. H. Warren reported that as a result of the collecting box scheme the sum of £17 was available for the Society's Benevolent Fund. Mr. F. W. Adams (assistant secretary of the Pharmaceutical Society) then addressed the meeting, his subject being *Some Observations on Pharmaceutical Education*.

A Keen Discussion at Bradford

ON November 24 a well-attended meeting of members of the Bradford Branch of the Pharmaceutical Society, under the chairmanship of Mr. J. A. Lodge, was addressed by Mr. H. N. Linstead, secretary of the Society.

Mr. Linstead said it seemed not at all unlikely that when the present urgent national affairs had been settled somewhat, the Home Office might be expected to reintroduce the Pharmacy and Poisons Bill, and the craft must be prepared to deal with it. The Bill, at the stage which it had reached up to the general election, included over seventy amendments which the Pharmaceutical Society had been successful in having introduced. He (Mr. Linstead) was by no means sure that even in the late Parliament pharmacy could have beaten the Government had it become necessary to try to do so. All the more necessary was it, therefore, that the craft must be prepared to put up a very strong case if the Bill reappeared in Parliament. The question would arise as to whether pharmacy's attitude must be one of fighting or negotiating. Speaking of the possibilities of a revival of the Proprietary Medicines Bill, Mr. Linstead said this was originally the outcome of a pre-war Select Committee's report. The speaker had a good deal of doubt as to whether there was any likelihood of an agreed Bill going through Parliament, but it was a matter on which they must, nevertheless, keep a watch. Mr. Linstead reminded his hearers that the Codex and the British Pharmacopœia were now under revision, and suggested that chemists would be wise not to place large orders at present for labels in respect of preparations requiring declaration of ingredients. Concluding his address, Mr. Linstead said he had that day paid a visit to the pharmacy department of the Bradford Technical College. He could safely say the new place would provide Bradford with the best-housed and best-equipped school of pharmacy in England, Scotland or Wales. (Applause.)

Discussion

Mr. R. A. Cross said that the problem of the surplus pharmacist of to-day was a point Mr. Linstead had not mentioned, but it was the great problem exercising the minds of rank-and-file chemists at present. They felt the time had arrived when they must ask for some measure of protection in the interests of self-preservation. Whereas in many industries the number of apprentices taken in was strictly controlled by a trade union or other authority to meet the available demand, there was no kind of limit in pharmacy, and qualified people were being produced far in excess of the work available.

Mr. W. Sutcliffe said he had been greatly interested in Mr. Linstead's address, but he, like Mr. Cross, felt that the problem of the moment was that of the surplus pharmacist. This was a serious matter calling for urgent attention by the Society. "To my mind it is a crying shame," said Mr. Sutcliffe, "that young fellows who have spent their time and money in study and training and qualification are having to beg from door to door for a job, and eventually have to accept a job at £2 10s. a week hitherto held by unqualified men. It is up to the Society to do something. They seem to have extraordinarily little power to help the rising young men; but if they cannot do more to protect the craft, it seems to me the Society will have no right to ask for compulsory membership or registration of premises. We have come to a crisis, and we must make our voices heard to remedy injustices of this kind, with young men being led into a calling the ranks of which are already glutted. All that has been said about raising the standard of education and training is a disgrace to pharmacy and to the Pharmaceutical Society unless something is done to improve the position in regard to absorbing the mass of young men being brought into the craft."

Mr. W. H. Croasdel, referring to the revision of the

Pharmacopœia, asked whether it was not a good opportunity—especially in these days when we were so consistently urged to "buy British"—to use British weights and measures in the B.P.

Mr. Robinson recalled, from the Society's Journal, that as long as two years ago Mr. Linstead himself declared the profession to be saturated; yet more young pharmacists were being turned out in their thousands.

Mr. W. Fysh suggested that one of the reasons for the excess of pharmacists to-day was the ease and comparative cheapness with which they could work in the pharmacy by day and study at night. Their chief expense was in the examinations, and they had none of the former expense and labour of training, which, naturally, restricted the numbers to the most enthusiastic and best fitted. Pharmacists to-day were being turned out *en masse* on a kind of hire-purchase system.

Mr. Brewster said he had noted the Society's suggestions of stiffening the examinations, but to his mind that was starting at the wrong end. The stiffening which was likely to cause rejections of the unsuitable should occur long before they had spent time and money in reaching the examinations.

Mr. W. Brown said it was all very well expressing delight at pharmacy school developments such as those at the Bradford Technical College, but to his mind the craft would have been better to-day if it had been limited to the few existing schools such as that at Leeds instead of turning out new pharmacists in their thousands from technical colleges up and down the country. These fine municipal places led parents to believe pharmacy must be a fine thing for their lads, little knowing that it was already overcrowded.

Reply

Mr. Linstead, in reply, said the metric system was as British as the imperial system. The Council of the Society had actually, a year ago, recommended to the Pharmacopœia Commission that the imperial system should be used. Replying to the various comments on the matter of surplus pharmacists, Mr. Linstead said the surplus number qualifying during the last few years had been between 400 and 500. Undoubtedly more people were being qualified than were going into retail pharmacy, but even in the latter regard unemployment was not really so bad as it might seem. He admitted it was kept in check to some extent by the fact of qualified men taking positions hitherto occupied by unqualified men, and at the unqualified rate of remuneration. In the matter of protection for chemists, if one looked at the thing closely one would find chemists had a measure of protection equal to and better than many professions. Even the supposedly powerful doctors had less protection than the chemists. Anybody could practise medicine. Quite a lot of osteopaths and herbalists did it. The only protection the doctors had by law was for their title, not for their work. Protection of practice and restriction of shops in pharmacy was in operation in some Continental countries, and was shown to have some very considerable disadvantages. A man in such countries usually had to wait a very long time before he could get a business of his own, and the majority never did so, but remained always in a subordinate position. While there were many things chemists would like improving, he did not suppose there was any likelihood of their getting a legal restriction as to the number of people who come into pharmacy each year. The Pharmaceutical Society could do a good deal to fix a limit by raising the standard of the Preliminary examination, and this was going to be done; but the greatest remedy lay really in the hands of chemists themselves in the number of apprentices they took into their shops. Chemists should not take apprentices at all unless they were satisfied they were the right sort of young person.

A vote of thanks was accorded to Mr. Linstead, on the motion of Mr. S. J. Kirby.

Pharmaceutical Society of Ireland

Council Meeting

THE monthly meeting of the Council of the Pharmaceutical Society of Ireland was held at 67 Lower Mount Street, Dublin, on November 10, Mr. P. Brooke-Kelly (president) in the chair. The following members of the Council were also present:—Mr. C. J. Cremen (vice-president), Mr. T. Costelloe (treasurer), Sir Thomas Robinson, Dr. J. A. Mitchell, Messrs. W. J. McKnight, M. J. Kieran, T. J. Smith, M. J. Parkes, D. J. Nugent, P. J. Fielding, J. F. Costello, J. A. O'Rourke, J. Gleeson, E. Ronaghan, J. T. Dwyer and D. Warwick. The registrar (Mr. James J. R. Kerr, M.P.S.I.) was in attendance. Mr. F. J. Fitzpatrick, Mr. P. Kieran and Mr. J. McCormack sent apologies for non-attendance.

AN ECHO OF THE ANNUAL MEETING

THE PRESIDENT said he thought it was only right that he should bring before the meeting the matter of the reports of the annual meeting. Owing to the interpolation of extraneous matter the Council of the Society had been held up to ridicule. In order to clear the air he would ask the vice-president to address certain questions to the journalist who was present and who had supplied reports to trade and Dublin morning and evening newspapers.

SIR THOMAS ROBINSON said he objected to this interrogation until he heard what the complaint was.

THE PRESIDENT: The complaint is that extraneous matter was introduced.

MR. NUGENT said that if what the President objected to was the report which appeared in the "Evening Mail" there was nothing irregular whatsoever in that report. The report was a comment on what took place. He (Mr. Nugent) denounced a certain pink document issued anonymously as being a scurrilous document. In this pink document, which had gone out, they had been accused of being Judases; they had been accused of giving the qualification of Pharmaceutical Chemist to registered druggists and to apothecaries' assistants without any examination.

THE PRESIDENT called Mr. Nugent to order, and indicated that what he objected to in the report was that steps were being taken to bring the document under the notice of the Chief State Solicitor, the Attorney-General and the members of the Executive Council.

IN the course of further discussion MR. NUGENT said he had been accused that while he was in the chair he did this horrible thing.

SIR THOMAS ROBINSON: That is not before the meeting.

THE VICE-PRESIDENT proceeded to question the journalist present as to whether he was responsible for reports which appeared in certain of the Dublin newspapers, and particularly as to whether he was responsible for the statement: "Steps are being taken to bring the document under the notice of the Chief State Solicitor, the Attorney-General and the members of the Executive Council." The journalist stated that he was responsible for the report and for this statement.

MR. KIERAN said he knew the four men who were mentioned in that horrible pink document. He felt that the honour of pharmacy required that their official organ should condemn a production like that.

MR. O'ROURKE: We have already repudiated the document in our letter sent to THE CHEMIST AND DRUGGIST.

THE PRESIDENT said the document was outside the Society.

MR. NUGENT: How do you know that it is outside the Society?

THE PRESIDENT: This Society is not responsible.

The Council went into committee for the transaction of the remainder of the business on the agenda.

ELECTION TO COMMITTEES

On the motion of Mr. McKnight, seconded by Mr. Kieran, Messrs. F. J. Fitzpatrick, D. J. Nugent, J.

Gleeson and D. Warwick were elected members of the Benevolent Fund Committee for the year 1931-32.

On the motion of Mr. Cremen, seconded by Mr. McKnight, Mr. T. Costelloe was appointed treasurer of the Benevolent Fund for the year 1931-32.

On the motion of Mr. Cremen, seconded by Mr. McKnight, the following were elected members of the Poison Schedule Subcommittee for 1931-32:—Messrs. J. Gleeson, T. Smith, J. A. O'Rourke, D. J. Nugent, D. Warwick and E. Ronaghan, and all the examiners as consultants.

RECIPROCITY DISCUSSED

A letter was read from the Cork and County Chemists' Association on the subject of reciprocity.

MR. J. A. O'ROURKE proposed and Mr. M. J. PARKES seconded:—"That the law adviser be instructed to omit all mention of reciprocity in draft Pharmacy Bill."

MR. D. J. NUGENT proposed, and Mr. P. J. FIELDING seconded, as an amendment:—"That a referendum of the members, licentiates, associates and registered druggists resident in the Free State be taken on the question of seeking powers in the proposed Pharmacy Bill of granting reciprocity to outside societies where advantageous to our Society."

The amendment was declared lost, seven voting for it and ten against. The original motion was carried by twelve votes to five against.

PRELIMINARY REGISTRATION

The following, who submitted certificates from other bodies, were admitted to Preliminary registration:—Miss B. M. Devine, Messrs. G. P. Warde, Joseph Ryan, D. Lynch, M. C. Lohan, M. McAmhalghaidh, T. B. Hopkins, R. P. McAdee, G. M. Ward, M. J. O'Driscoll and P. Kennedy.

DEATH

On the motion of the PRESIDENT, seconded by the VICE-PRESIDENT, a vote of sympathy with the relatives of the late Mr. Arthur Byrne, M.P.S.I., Arklow, was passed.

APPOINTMENTS

On the motion of Mr. Cremen (vice-president), seconded by Mr. T. Costelloe (treasurer), Mr. Martin Maguire, Senior Counsel, was appointed standing counsel.

Dr. John Keane, M.Sc., D.Ph., was elected examiner for chemistry in the Licence Examinations. There were two other candidates. Mrs. Mary Murphy, B.A., was re-elected examiner for the preliminary examination.

ELECTIONS AND NOMINATIONS

On the motion of Mr. Parkes, seconded by the VICE-PRESIDENT, the following were elected to membership:—Mr. J. J. McNally, 104 South Circular Road, Dublin; Mr. J. C. Bannon, Rathcravan, Mount Nugent, co. Cavan; Dr. Thomas Coghlan, O'Connell Street, Ennis, co. Clare; Mr. J. J. Fitzgibbon, The Sandycove Pharmacy, Sandycove, Dublin; Mr. B. P. Hickey, Dunning's Medical Hall, Killenaule, co. Tipperary; Mr. M. O'Leary, Medical Hall, Main Street, Boyle, co. Roscommon; Mr. M. J. Timnoey, 9 Lower Dorset Street, Dublin; and Mr. W. J. Rankin, 11 Hopefield Avenue, Belfast.

Mr. Michael McCabe, General Post Office, Wellington, New Zealand, was elected to associateship.

The following were nominated for membership:—Mr. Wilfred O'Donnell, 1 Glenport Terrace, Terenure; Mr. Wm. Geo. Whittaker, 17 Bridge Street, Cork; Mr. Algernon W. Hendy, Broomfield, Park Avenue, Sandymount, Dublin; Miss A. R. Maguire, 19 Dyke Parade, Cork; Mr. P. J. Higgins, Market Street, Cootchill, co. Cavan; Miss M. M. O'Reilly, Glin, co. Limerick; Mr. G. D. Go'den, Fermoy, co. Cork; Mr. T. M. Walsh, Dingle, co. Kerry; Mr. Herbert Coburn, The Diamond, Donegal; Mr. S. S. Huggard, Clanbrassil Street, Dundalk; Miss Eileen Byrne, 3 Botanic Avenue, Glasnevin, Dublin; and Mr. J. McCarthy, Talbot Street, Dublin.

Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values

28 Essex Street, W.C.2, December 3

ACTUAL business has been a secondary factor in the markets this week, the main feature being the substantial fall in the exchange values of sterling. Although not providing the slightest cause for any apprehension as to the soundness of our currency and the certainty of its ultimate return to something near normal, the movements of the past week have been such as to badly disorganise business, particularly shipment, in all products affected in part or as a whole by currency exchange movements. In this wide range of products in all markets it is not possible to determine with any usefulness seaboard values, as they naturally fluctuate hourly with the exchanges. The spot market is, in consequence of the temporary shrinkage in sterling exchange rates, generally firm. Spot holders appear to have adopted the policy of selling in limited quantities only and exclusively to their old consuming customers. It is very satisfactory to note there is a complete absence of speculation. Actually prices on spot for the genuine consuming business referred to are well below cost of replacement at current rates of exchange. Some advances in quotations are recorded, but they appear to be well justified. In pharmaceuticals, iodides, mercurials and quinine sulphate are dearer. Dealers' prices for hydroquinone and other substances not made here have been advanced. In crude drugs business has been moderate, with all markets very steady on spot. Considerable business was done privately after the auctions last week. Methylated spirit is reduced. At the sales of castoreum on Wednesday there was a good demand for the lower grades, and prices were dearer. Essential oils have been dull, with spot values largely a matter of negotiation between seller and buyer. Shipment prices cannot be defined in sterling. Fixed oils have been dull, and spot refined oils are about unchanged, except American turpentine, which is dearer. Coal-tar products are generally unchanged, with a fair demand. All quotations for products affected by exchange rates are subject to revision without notice.

Exchange Rates on London

THE following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

Centre	Quoted	Par	Dec. 3	Value of the £
Amsterdam ..	Fl. to £	12.107	8½	13/10
Berlin ..	Mks. to £	20.43	14½	13/11½
Brussels ..	Belg. to £	35	24½	13/11
Copenhagen ..	Kr. to £	18.159	18½	19/11½
Lisbon ..	Esc. to £	110	110	20/0
Madrid ..	Ptas. to £	25.22½	41	32/10½
Milan ..	Lire to £	92.46	66	14/3
Montreal ..	Dol. to £	4.86½	3 92½	16/1½
New York ..	Dol. to £	4.86½	3 36½	13/10
Oslo ..	Kr. to £	18.159	18½	19/11½
Paris ..	Fr. to £	124.21	86½	13/11½
Prague ..	Kr. to £	164.25	114—116	14/6½
Stockholm ..	Kr. to £	18.159	18	19/9½
Warsaw ..	Zloty to £	43.38	29—31	13/10
Zurich ..	Fr. to £	25.2215	17½	13/10

Bank rate 6 per cent.

Pharmaceutical Chemicals, etc.

UNSETTLED conditions, due to the substantial fall in sterling exchange rates, is the chief feature of this market. Prices for all products which are wholly or partly affected by international currency exchange values are nominally dearer on quotation to arrive. At the same time spot holders, who are not anxious to sell under prevailing conditions, are supplying their customers with limited quantities needed for immediate consumption, and sales prices in these instances of genuine business transactions are usually not very much over the old rates. Spot holders are not selling to speculators. Prices for materials to come forward from the Continent continue to move with sterling values. In all cases

where exchange rates affect values the prices given are liable to fluctuation and are being quoted without engagement.

ACETANILID is fully steady, although business is quiet: B.P. crystals and powder, 1s. 6d. to 1s. 9d. per lb. as to quantity.

AMIDOL is quoted unchanged, with the market dull: one cwt., 7s.; 56 lb., 7s. 3d.; 28 lb., 7s. 6d.; 14 lb., 7s. 11d. per lb., in 7-lb. tins.

AMIDOPYRIN.—The higher prices recorded last week are fully maintained for forward business and spot offers are closing up to these rates: crystals, five cwt., 15s. 9d.; two cwt., 16s.; less than two cwt., 16s. 4d. per lb., with powder 2d per lb. extra.

AMMONIUM ICHTHOSULPHONATE is very steady, with occasional business moving: one cwt., 1s. 8d., in 14-lb. tins; 1s. 11d. in 1-lb. tins; 2s. in 8-oz. tins, and 2s. 2d. per lb. in 4-oz. tins.

ASPIRIN.—A steady flow of business continues and prices in this market are well held. Home trade: ten cwt., 2s. 7d.; five cwt., 2s. 8d.; one cwt., 2s. 8½d.; 28 lb., 2s. 9d.; 14 lb., 2s. 10d.; 7 lb., 3s.; 1 lb., 3s. 4d. per lb. Export to Colonies and British Possessions: ten cwt., 2s. 7d.; five cwt., 2s. 8d.; one cwt., 2s. 8½d. per lb., f.o.b.; less than one cwt., 2s. 9d. per lb., ex works.

BARBITONE is again dearer to come forward, and spot tends to move up to these figures: spot, one cwt., 9s. 6½d.; smaller parcels, up to 9s. 9d. per lb.

BENZOIC ACID (B.P.) meets with a fair business and prices are steady: quantities, ex works, 1s. 10½d.; spot parcels, 1s. 11d. to 2s. 2d. per lb., ex store.

BISMUTH SALTS.—Makers' prices show no further alteration.

	8 lbs. and under 28 lbs.	28 lbs. and under 1 cwt.	Not less than 1 cwt.
	Per lb. s. d.	Per lb. s. d.	Per lb. s. d.
Carbonate ..	9 1	8 7	8 4
Citrate ..	10 7	10 1	9 10
Nitrate cryst. ..	6 2	5 8	5 5
Oxide ..	12 8	12 2	11 11
Salicylate ..	9 1	8 7	8 4
Subchloride ..	12 3	11 9	11 6
Subgallate ..	8 7	8 1	7 10
Subnitrate ..	7 8	7 2	6 11

A rebate of 3d. per lb. on sales of not less than two cwt. (either for prompt delivery or on contract), provided delivery is completed or paid for within three months. Liquor bismuthi, P.B. in W-qts., 1s. 2½d. per lb.; in six W-qts., 1s. per lb.; in 12 W-qts., 10½d. per lb.; in 36 W-qts., 10d. per lb. Without engagement.

BROMIDES.—Home makers' quotations are unchanged; foreign competition does not appear to be so keen. Business is only moderate: ammonium, five cwt. and over, 1s. 6d.; one cwt., 1s. 7d.; less than one cwt., 1s. 10d.; potassium, B.P., crystals and granular, five cwt. and over, 1s. 3d.; one cwt., 1s. 4d.; less than one cwt., 1s. 7d.; sodium, B.P., five cwt. and over, 1s. 5d.; one cwt., 1s. 6d.; less than one cwt., 1s. 9d. per lb., and slightly less for bulk quantities.

BUTYL CHLORAL HYDRATE continues steady but not in much demand: spot, 14 lb., 8s.; 7 lb., 8s. 3d.; 1 lb., 8s. 6d. per lb., in 1-lb. bottles.

CAFFEINE.—Market is very steady as quoted: pure alkaloid, 7s. 9d. to 8s. per lb.; citrate, 6s. to 6s. 3d. per lb.

CALCIUM LACTATE is quoted about unchanged, with competition for the limited business: spot, 1s. 2d. to 1s. 3½d. per lb., as to quantity.

CHLORAL HYDRATE is fully steady at home makers' prices: duty-paid crystals, 2s. 11½d. to 3s. 1½d. per lb., as to quantity and packing.

CITRATES.—Makers' prices are steady: potassium citrate, B.P., 1s. 7d.; sodium citrate, B.P.C., 1932, 1s. 8d.; ferri

ammon. cit., B.P. (brown), 1s. 9d. per lb., in 28-lb. lots; 7-lb. lots, 5d. per lb. dearer.

CITRIC ACID (B.P. CRYSTALS).—Foreign material is quoted at higher rates this week, in the region of 1s. 1d. per lb., less 5 per cent., carriage paid. British makers quote 1s. 0½d. per lb., less 5 per cent. discount.

COCAINE.—Convention prices for this market are unchanged: hydrochloride, 25 oz., 20s. 11d.; 16 oz., 21s. 7d.; and less, 22s. 3d. per oz.; pure, 22s. 11d. up to 24s. 4d. per oz.; 1-oz. tins, 2½d. extra.

CREAM OF TARTAR.—The market is firmer, with foreign material at about 88s. 6d. to 89s. per cwt., less 2½ per cent., carriage paid. British makers quote 99 to 100 per cent. at 93s. 6d. per cwt., less 2½ per cent. discount.

CREOSOTE (B.P.) is steady on a quiet market: quantities in demijohns, 1s. 9d.; smaller parcels, up to 1s. 10d. to 1s. 11d. per lb.

GUAIACOL CARBONATE is dearer, while business is very limited: five cwt., 6s. 11½d.; two cwt., 7s. 0½d.; one cwt., 7s. 2½d.; small parcels, up to 7s. 6d. per lb., without engagement.

HEXAMINE shows an advance this week; business is only moderate: free-running crystals, spot, from 2s. 8d. to 2s. 10d. per lb., as to quantity.

HYDROQUINONE.—Prices have been advanced by ninepence per lb., as follows: ten cwt., 4s. 8½d.; five cwt., 4s. 9½d.; two cwt., 4s. 10½d.; one cwt., 4s. 10¾d.; 56 lb., 4s. 11½d.; 28 lb., 5s. 1¾d.; 14 lb., 5s. 3¼d.; 7 lb., 5s. 5½d.; 1 lb., 6s. per lb., carriage paid.

IODIDES.—Further advances in makers' prices are recorded, due to loss in sterling values. Potassium iodide, B.P.: one cwt., 24s. 6d.; 28 lb., 24s. 9d.; 14 lb., 25s.; 7 lb., 26s.; 4 lb., 26s. 9d.; smaller quantities, 27s. 6d. per lb. Sodium iodide, B.P.: 28 lb., 27s. 9d.; 14 lb., 28s. 3d.; smaller quantities, 28s. 9d. per lb. Iodine resub., B.P.: one cwt., 28s. 4d.; 28 lb., 28s. 7d.; 14 lb., 29s. 1d.; smaller quantities, 29s. 7d. per lb. Iodoform, B.P., cryst., precip. or powder: 28 lb., 31s. 8d.; 14 lb., 32s. 2d.; smaller quantities, 32s. 11d. per lb. In quantities not less than one cwt. (which may be taken assorted). Containers of 28 lb. and outer packages are free. Carriage paid. Under present conditions contracts are not accepted, but rebates from 3d. per lb. to 5d. per lb. apply to quantities of five cwt. or more, if taken in one or more deliveries over four months. Deliveries will be invoiced at the rates current on the day on which order is received, or on the date of despatch, whichever may be the lower. Quoted without engagement.

LACTIC ACID (B.P.).—Home makers' prices are well maintained at about 1s. 4¾d. to 1s. 6½d. per lb., as to quantity, and business has been satisfactory. Some second-hand spot material may be offering at competitive prices. Foreign material to come forward would be in the region of 1s. 10d. per lb. Key industry duty operates from January 1 next.

MERCURY.—Makers' prices have been advanced.

	Under 112 lb.	Not less than 112 lb.
	Per lb.	Per lb.
Ammoniated lump, B.P. (white precip.)	s. d.	s. d.
powder, B.P.	6 10	6 9
Bichloride lump, B.P. (corros. sub.) . .	7 0	6 11
powder, B.P.	6 3	6 2
Chloride, B.P. (calomel)	5 9	5 8
Red oxide cryst., B.P. (red precip.) . .	7 1	7 0
levig. B.P.	8 6	8 5
Yellow oxide, B.P.	8 0	7 11
Persulphate white, B.P.C.	7 9	7 8
Sulphide black (hyd. sulph. cum sulph. 50 per cent.)	6 9	6 8
	6 4	6 3

Without engagement. Special prices for larger quantities and for contracts deliverable during three months. Previous notification of price alteration was on November 17.

METHYL SALICYLATE (B.P.).—The market is fully steady with a limited business passing: one ton and over, 1s. 4½d.; five cwt., 1s. 4¾d.; one cwt., 1s. 5d.; less than one cwt., 1s. 6d. per lb.; and small lots, in bottles, up to 2s. per lb.

METHYL SULPHONAL.—Dealers' prices are advancing with the fall in sterling exchange values; some spot material may be slightly cheaper than the following rates for material to come forward: two cwt., 16s. 6d.; one cwt., 16s. 9d.; 56 lb., 17s. 3d.; small parcels, 17s. 9d. per lb., without engagement.

METOL.—The market is steady but very quiet: 28 lb., 1s. 9d.; less, 8s. per lb., and less for large quantities.

MILK SUGAR.—Prices have advanced sharply with the fall in sterling exchange rates: one ton, 56s.; ten cwt., 57s.; two cwt., 58s.; per cwt., in two-cwt. cases.

MORPHINE.—Makers' prices show no further alteration.

	Under 5 oz.	5 oz. and over assorted	For 100 oz. assorted contracts over 6 months	For 250 oz. assorted contracts over 6 months
	oz.	oz.	oz.	oz.
Morphine:				
alkaloid precip.	24/5	23/9	23/6	23/2
bromide				
meconate				
tartrate (neutral)				
acetate	19/9	19/-	18/9	18/6
hydrochloride powder				
sulphate				

PARA-FORMALDEHYDE continues in moderate demand with competition keen: 100 per cent. powder, quantities in kegs, 1s. 3½d.; smaller parcels, up to 1s. 7d. per lb.

PHENACETIN.—Prices quoted by dealers for material to arrive are moving up as sterling values decline: spot may be available at cheaper prices: crystals, ten cwt., 4s. 9½d.; five cwt., 4s. 10½d.; two cwt., 4s. 11½d.; and less, 5s. 0¾d. per lb., with powder 2d. per lb. extra, without engagement.

PHENAZONE.—Dealers' shipment prices are firm and advance with the decline in sterling rates: some old spot material may be available at cheaper prices; crystals, ten cwt., 8s. 3d.; five cwt., 8s. 5d.; two cwt., 8s. 7d.; and less, 8s. 9d. per lb., with powder 2d. per lb. extra, without engagement.

PIPERAZINE.—Dealers' prices have advanced; in 8-oz. bottles, 40s. 9½d.; in 1-oz. bottles, 46s. 10½d. per lb., with lower prices for quantities.

POTASSIUM PERMANGANATE (B.P.) is very steady, but business is in small parcels only: quoted from 7d. to 7½d. per lb., for quantities in drums up to small parcels.

POTASSIUM SULPHOGUAIACOLATE is steadier and dearer to come forward at 4s. 2d. to 4s. 4d. per lb.

PYROGALLIC ACID is steady but business is unimportant: one cwt., 6s. 9d.; 56 lb., 7s.; 28 lb., 7s. 3d.; 14 lb., 7s. 9d.; 7 lb., 8s. 6d. per lb., in 7-lb. tins.

QUININE SULPHATE.—The official price for this market has again advanced with the fall in sterling values: quoted at 2s. 7d. per oz., and without engagement.

RESORCIN is fully steady as quoted; market quiet: crystals, one cwt., 3s. 3d.; 56 lb., 3s. 3½d.; 28 lb., 3s. 4d.; smaller parcels, up to 3s. 7d. per lb.

ROCHELLE SALTS.—Makers' prices are maintained: five cwt. or over, in one delivery, 77s. 6d.; less than five cwt., 80s.; less than one cwt., 82s. 6d.; per cwt., carriage paid. Pulv. scidnitz, five cwt. or over, in one delivery, 62s. 6d.; less than five cwt., 64s. 3d.; less than one cwt., 66s. 3d.; double, 68s. 9d., 71s. and 73s., carriage paid.

SALICYLIC ACID (B.P.) is firm as quoted by home makers: one ton, 1s. 5d.; ten cwt., 1s. 5½d.; five cwt., 1s. 6d.; one cwt., 1s. 6½d.; small parcels, up to 2s. per lb.

SALOL.—The market is quoted unchanged for material to arrive; spot may be slightly less: crystals, two cwt., 4s. 8d.; one cwt., 4s. 10½d.; 56 lb., 4s. 11½d.; smaller parcels, 5s. 0½d. per lb.; powder 2d. per lb. extra.

SODIUM BENZOATE (B.P.) meets with a fair business and is fully steady as quoted: one ton, 1s. 8d. up to 1s. 9½d. per lb., for small parcels.

SODIUM DIETHYLBARBITURATE is a dull market, but dealers' prices are fully maintained: spot, 10s. 9d. to 11s. 3d. per lb., as to quantity.

SODIUM SALICYLATE (B.P.).—Home makers' prices are steady with a moderate business being transacted. Some imported material is competitive: home trade powder, two tons, 1s. 10d.; one ton, 1s. 10½d.; ten cwt., 1s. 11d.; five cwt., 1s. 11½d.; one cwt., 2s.; 28 lb., 2s. 1d.; 14 lb., 2s. 3d.; 7 lb., 2s. 4d.; 1 lb., 2s. 5d., per lb., with crystals 1d. per lb. extra.

SULPHONAL.—Dealers' prices for material to come forward fluctuate with sterling values. Spot values are dearer in sympathy. Shipment quotations are again dearer: crystals, 13s. 6d. to 15s. per lb., as to quantity, with powder 2d. extra.

TARTARIC ACID (B.P. crystals).—Some business has been done with foreign material at about 1s. 0½d. to 1s. 0¾d. per lb., less 5 per cent., ex wharf. British makers quote 1s. 1d. per lb., less 5 per cent. discount.

THYMOL.—Quoted values are unchanged; market is dull: synthetic fine white, one cwt., 5s. 9d.; 56 lb., 5s. 10½d.; 28 lb., 6s.; 14 lb., 6s. 3d. per lb.; ex ajowan seed, one cwt., 7s. 3d.; 56 lb., 7s. 4½d.; 28 lb., 7s. 6d.; 14 lb., 7s. 9d. per lb.

Crude Drugs, etc.

ACONITE ROOT.—New crop Napellus is quoted on spot at 70s.

BELLADONNA.—Root is reported to be in short supply: quoted at 65s.

CAMPHOR.—This market is very firm and spot is nominal owing to lack of supplies: Japanese, slabs and flowers, nominal, nothing offering; a few lots of tablets at about 3s. 6d. Shipment is dearer, with slabs, 2s. 7½d.; flowers, 2s. 9d., and tablets, 3s. 4½d. per lb., c.i.f. English, natural refined B.P. flowers, one cwt., 3s. 5d.; 28 lb., 3s. 6d., and small lots, 3s. 7d. per lb. English synthetic flowers, 2s. to 2s. 3d. per lb.

CANTHARIDES.—Russian is offered from the Continent at 6s. 9d. per lb.

CASTOREUM.—The annual sale of the Hudson's Bay Company was held on Wednesday, when the reduced quantity of 939 lb. was offered, against 1,376 lb. in 1930. This was the smallest quantity offered over a very long period. The quality of the consignment was fairly good all round, several of the lots containing a fair percentage of well-matured pods. In view of the short supply, practically the whole of the offerings found ready buyers, the competition for the lower grades being exceedingly keen. Whilst the demand from the home trade was small, there were a number of orders for German account, with no demand from French consumers. The principal buying was by dealers in anticipation of higher prices later, as stocks, especially of the lower grades, for some time past have been very small. In comparison with the prices realised in last year's auction, there was practically no change in the prices secured for Pile 1 and Pile 2. The whole of the lower grades were 30 to 40 per cent. higher, as supplies of these latter grades were, prior to sale, practically exhausted. As regards firsts, business was done up to 60s., against 65s. last year; seconds sold up to 55s., against the same price last year; thirds fetched up to 53s., against 47s. last year; pickings realised up to 49s., against 38s. last year; and cuttings up to 49s. 6d., against 34s. last year. A few lots were withdrawn by the auctioneer, as the sale limits were in excess of the prices secured for similar lots. We give below full details of the offerings and prices realised:—

	Quality	Offered and sold	Price, 1930			Price, 1931		
			s.	d.	s. d.	s.	d.	s. d.
YF ..	Firsts..	22	65	0	—	60	0	—
	Seconds ..	24	55	0	—	50	0	—
	Thirds ..	54	44	0	47 0	45	0	46 0
	Pickings ..	34	33	0	—	45	0	—
	Cuttings ..	154	34	0	—	45	0	49 6
	Waste ..	37	1	0	—	9	0	—
Canada	Seconds ..	27	55	0	—	55	0	—
	Thirds ..	58	40	0	42 0	47	0	48 0
	Pickings ..	58	36	0	37 0	46	0	—
NW ..	Firsts..	84	65	0	—	—	—	—
	Firsts and seconds ..	17	—	—	—	—	—	—
	Seconds ..	125	50	0	—	54	0	55 0
	Thirds ..	140	42	0	43 0	49	0	53 0
	Pickings ..	105	38	0	—	47	0	49 0

CLOVES.—Some improvement in values is recorded and the market is now steady: Zanzibar, spot, 8½d.; shipment, December, 7½d.; December-January, 7½d., c.i.f.; Madagascar, spot, 8½d.

The landings of Zanzibar in London during the week ended November 28 were 100 and the deliveries 100, leaving a stock of 994, against 505 in 1930. From January 1 to date, landings of Zanzibar have been 3,584, against 6,710 in 1930, and the deliveries 3,609, against 6,212 in 1930. Landings of Madagascar for the week ended November 28 were nil and the deliveries 5, leaving a stock of 655, against 916 in 1930. Landings of Madagascar this year to date have been 2,320, against 5,745 in 1930, and the deliveries 2,571, against 4,824 in 1930.

COCONUT (DESICATED).—Fair business continues, with the market firm: spot, fine, 25s.; medium, 27s. 6d.; shipment, December, halves, 25s. 6d.; December-January, 25s. c.i.f.

COD-LIVER OIL.—To-day it is reported Norwegian shippers have advanced their prices for this market. Shipment for finest Lofoten steam-refined non-freezing medicinal oil, 122s. 6d. per barrel, c.i.f. Spot, minimum five-barrel lots, about 127s. 6d., with sellers very reserved. Some brands may be cheaper.

ERGOT.—Russian is steady at 1s. 8d., with supplies limited: Spanish is quoted at about 2s. 3d. per lb.

GUM ACACIA.—The market is easier for shipment, new crop, December-January, with Kordofan cleaned sorts, 37s. 6d., and natural, 36s. c.i.f. Spot is about unchanged: Kordofan cleaned sorts, 43s.; natural, 41s., and bleached, 95s. to 100s. per cwt., as to quality.

HYDRASTIS.—Spot is now quoted at about 6s. to 6s. 3d. per lb.

LIQUORICE ROOT.—Single-peeled is dearer to arrive at 40s.

LYCOPodium.—Treble-sifted is quoted on spot at 4s. 3d. per kilo.

MENTHOL.—The spot market is well maintained, with K/S brands at 15s. 9d.; shipment, October-December, 14s., and January-March, 13s. 10½d. per lb., c.i.f., is firm and dearer.

MERCURY.—The shipment figure is nominal at 80 dollars f.o.b. for Spanish-Italian. To arrive, mid-December is quoted at £19 18s. per bottle, subject to withdrawal without notice.

PEPPER.—Prices for all kinds have advanced and the market is fully steady. Business has been moving on a fair scale. Lampong, spot, 6½d.; shipment, October-December, 6½d.; January-March, 6½d.; March-May, 7d., c.i.f.; Tellicherry, spot, 7½d.; shipment, January-March, 68s., c.i.f.; Alleppy, spot, 7½d.; shipment, January-March, 66s., c.i.f.; white Muntok, spot, 9d.; shipment, October-December, 8½d.; January-March, 8½d.; March-May, 8½d., c.i.f.

PIGMENTO.—Market is firm at the close: spot, 2½d.; shipment, December-January, 24s. 3d., c.i.f.

PSYLLIUM SEED.—French black, on spot, is offering at about 1s. 7d. per lb.

RUBBER.—The market has been subdued all the week. After some fluctuations values are about level. U.K. stocks, 129,573 tons against 116,603 tons a year ago. Standard ribbed smoked sheet, sellers, spot, 3d.; December, 2½d.; January, 3d.; January-March, 3½d.; April-June, 3½d.; July-September, 3½d.

SARSAPARILLA.—Genuine grey Jamaica is short on spot and firm at 1s. 6d. Native, 1s. 1d. per lb.

SEEDS.—ANISE.—Spanish 55s., Bulgarian 35s., and Russian 34s. per cwt., spot. CANARY.—Market quiet although prices remain firm; Mazagan, spot, 16s., and forward 14s. c.i.f.; Tangier, 15s. 6d. spot, and 14s. c.i.f.; Kenitra, 15s. spot and 12s. 6d. c.i.f. CORIANDER firm; 1929 crop sold at 14s. 6d. (good sound seed); wormy sold at 12s. 6d.; 1931 crop has changed hands at 18s. CUMIN.—Malta spot is 42s. 6d.; Morocco is firm at 23s. 6d., and for shipment 27s. 6d. c.i.f. FENUGREEK firm. Business done at 15s. spot for Morocco; Tunisian unchanged at 17s. LINSEED.—Morocco, spot, 14s. CARAWAY.—Dutch selling at 36s. per cwt. spot. MUSTARD.—English, 23s. 6d. to 27s. 6d. according to quality; extra good quality, 30s. to 32s. 6d., unobtainable.

SENEGA.—The spot market is dearer and now fully steady at 2s. per lb.

SENNA.—There has been a sustained demand for Tinnevely hand-picked pods at 8d. to 8½d., ex wharf, London: f.a.q. pods in limited supply on spot at 6½d. to 6¾d. per lb. More inquiry for Tinnevely leaves. Choice No. 1, 7½d.; No. 1, 5d. to 6d.; No. 2, 3½d. to 4½d.; No. 3, 3½d. to 3¾d.; common manufacturing, 3d. to 3½d. per lb. Alexandrian pods of manufacturing quality in demand; finer hand-picked grade pods scarce.

SPIRIT (METHYLATED).—The following scale of reduced prices came into force on December 2, and will continue to operate to June 30, 1932.

Quantity in one Delivery	Industrial	Pyridinised industrial	Mineralised (coloured Violet)
	61 o.p. 64 o.p. s. d. s. d.	61 o.p. 64 o.p. s. d. s. d.	61 o.p. 64 o.p. s. d. s. d.
500 gallons and upwards	1 8 1 9	1 10 1 11	—
100 " and under 500	1 9 1 10	1 11 2 0	2 9 2 10
30 " " 100	1 11 2 0	2 1 2 2	2 11 3 0
10 " " 30	2 1 2 2	2 3 2 4	3 1 3 2
5 " " 10	2 3 2 4	2 5 2 6	3 3 3 4

Industrial methylated spirits at 66 o.p., 68 o.p. and 74 o.p., may be obtained at 1d., 2d. and 4d. per gallon respectively above the prices quoted for 64 o.p. strength. Packages will be charged but allowed for at the same price when returned in good condition. Carriage paid on full and returned empty packages. Terms—monthly cash, less 2½ per cent.

SQUILL.—Good white on spot is quoted at 21s.

STRAMONIUM LEAVES.—Fine green Hungarian are offered at 57s. 6d. per cwt., spot.

Essential Oils

THE volume of business passing is very limited and practically confined to sales of small size from stocks. Prices are a matter of negotiation, with supplies moving only to consumers. The shipment market is more or less nominal, it being impracticable to negotiate business. All prices quoted are subject to withdrawal without notice.

ANISE (STAR).—The market is about level on the week; business has not been of much account: "Red Ship," spot, in leads, 2s. 3d.; in tins, 2s. 1d.; in drums, 2s.; shipment, in leads, 1s. 11d.; in tins, 1s. 9½d.; in drums, 1s. 8¾d., c.i.f.

BERGAMOT.—The spot price would be about 10s. 6d. per lb. as to seller. The shipment figure is nominal at about 11s. 6d. c.i.f., but is moving with decline in exchange rates.

BOIS DE ROSE.—There has been little interest on spot and values are nominally unchanged: Cayenne, spot, from 6s. 4d.; Brazilian, from 2s. 6d. per lb. for good quantities.

CARAWAY.—Spot is nominally unchanged: double-distilled, 7s. 6d.; crude, 7s. 1d. per lb.

CASSIA.—Spot has sold up to 3s. 9d. per lb. for quantities.

CEDARWOOD.—Spot is nominally unchanged: quoted at about 1s. 9d. per lb. for quantities.

CINNAMON LEAF remains generally quiet, and spot is about unchanged at from 3s. 6d. per lb. and upwards, as to quantity.

CITRONELLA.—Firm conditions are recorded here. Java, spot is mentioned in the region of 2s. 9d., with shipment at the moment at the same figure. Ceylon is also dearer on spot, from 1s. 10½d. per lb.

CLOVE.—The market is steady, with 90 to 92 per cent. at about 5s. per lb. Madagascar is mentioned at about 4s. 4d. per lb., spot.

EUCALYPTUS.—The spot market is nominally unchanged but tends to harden: Australian, 70 to 75 per cent., from 1s. 1d., and 30 to 35 per cent. from 1s. 3d. per lb. Spanish, 70 to 75 per cent., fully 1s. 3d. per lb., spot.

GERANIUM.—Business on spot seems to have been negligible. Bourbon is mentioned at 19s. spot; Algerian, spot, about 20s. per lb.

JUNIPER BERRY (B.P.).—The market is steadier, although business is of small account: spot, 5s. per lb. for first quality material.

LAVENDER.—Business has been very slow; French is nominally unchanged: 38 to 40 per cent., about 10s. to 10s. 6d.; 36 to 38 per cent., 9s. 6d. to 9s. 9d. per lb.

LEMON.—New crop hand-pressed Sicilian would cost about 5s. to 5s. 3d. on current exchange rates. Spot values vary as to seller and brand, from 4s. to 4s. 6d., without engagement. Lower prices might apply to some brands. Californian, on spot, 3s. per lb., in drums. This is the cost of renewal of stocks.

LEMONGRASS.—A further advance in spot values is recorded, with values now from 2s. 6d. per lb. for quantities. Shipment would cost more.

ORANGE.—The spot market for Sicilian sweet is certainly dearer with values mentioned about 7s. 6d. to 8s. per lb., as to brand and quantity. New crop shipment prices for best brands are advancing as sterling declines. Bitter orange, 6s. 9d. per lb., spot. Californian, spot, 5s. to 5s. 7½d. per lb., as to quantity. This is the cost of renewal of spot stocks.

PEPPERMINT.—Japanese dementholised on spot is about 4s. 4½d. per lb., and the market is steady. Shipment, October-December, is dearer at 4s. 1d., and January-March at 4s. c.i.f. The shipment market is firm. American oil, on spot, would be about from 9s. 3d.; shipment is \$1 50 cents, c.i.f.

PETITGRAIN is firm and rather dearer on spot at 4s. 4d. and upwards, per lb.

ROSEMARY.—The spot market is nominally unchanged. Spanish, from 2s.; French, from 3s. 10d. per lb.

SASSAFRAS remains dull and irregular but tending dearer: spot, about 5s. per lb.

SPEARMINT.—Business on spot remains dull: quoted at about 8s. 6d. per lb.

SPIKE.—The spot market is firm with the price for Spanish fully 3s. 9d. to 3s. 11d. per lb., as to quantity.

The following arrivals have taken place from the countries indicated during the period November 26 to December 2 inclusive:—Almond (Fr.) 5 cs.; anise (star) (H.-Kong) 87 cs.; bergamot (It.) 53 cs. (Nthlands) 2 cs.; bois de rose (Fr.) 1 dm.; caraway (Gy.) 2 cs.; eucalyptus (Aust.) 192 cs. 12 dms. (Portugal) 50 cs.; jasmín (Fr.) 1 cs.; labdanom

(Fr.) 1 cs.; lemon (Nthlands.) 31 cs.; lime (B.W.I.) 14 cs.; orange (Spn.) 45 cs.; patchouli (Seychelles) 2 drms., (S. Sett.) 3 cs.; peppermint (U.S.) 5 cs., (Jp.) 100 cs.; petitgrain (Nthlands) 5 cs.; pine (Gy.) 2 cs.; rose (Fr.) 1 cs.; rosemary (Fr.) 1 dm.; savin (Nthlands) 1 cs.; various (Fr.) 8 cs.

Fixed Oils, etc.

DURING the past week business in most products in this section has been very limited and patchy. The markets have been overshadowed and disturbed by the decline in sterling, it being very difficult to negotiate forward business. Values quoted are generally well maintained and some advances are recorded, due in the main to the shrinkage in the exchange rates of sterling. American turpentine is again dearer and firm.

ACID OILS.—The market has been quiet and is quoted about unchanged: coconut and/or palm kernel, 20s.; groundnut, 19s. 6d.; soya, 17s. 6d., spot. **CASTOR.**—Business has been limited; quoted prices are about level on the week: pharmaceutical, 48s. 6d.; first pressings, 43s. 6d.; second pressings, 41s. 6d. (barrels); cases, £4 per ton extra, ex mills, Hull, in not less than one-ton lots; Bombay, 32s. 6d. (drums), c.i.f., January shipment. **COCONUT.**—Market is irregular and dull; deodorised, 32s. 9d. (barrels), spot; Ceylon, 24s. 6d. (drums), c.i.f. **COTTON.**—Prices for all grades are easier with the market very quiet: deodorised, 23s. 9d.; common edible, 26s. 9d.; soapmaking, 24s. 9d.; crude, 22s. 9d. (barrels), spot. **GROUNDNUT.**—Rather easier on the week with the market very quiet: deodorised, 37s. 6d. (barrels), spot; crude Oriental, 25s. 9d. (drums), c.i.f. **LINSEED** (raw, naked).—The market has been distinctly quiet all the week. Values are about level and fairly steady. On spot, 15s. 6d.; December, 14s. 3d.; January-April, 16s.; May-August, 17s. 1½d. Boiled oil, on spot, 18s. 3d. **OLIVE.**—The market is firm and tends to advance with the fall in sterling exchange rates: edible, 6s. 3d. in drums, 6s. 9d. in tins in cases; B.P., 4s. 11d.; per gallon, in 40-gallon barrels. **PALM.**—A further advance in values of most grades is reported. Market is firm, while business is slow: Lagos, 22s. 3d.; softs, 21s. 9d.; medium, 21s. 6d.; hards, 22s.; bleached, 25s., spot. **PALM KERNEL** continues quiet and is slightly easier on quotation: deodorised, 32s. 9d.; crude, 26s. 6d., spot. **RAPE** is about steady while business has been very limited: refined, 35s. 3d.; crude, 33s. 3d. spot. **RESIN.**—The market is dearer due to fall in sterling exchange values. Business has been limited. B. 13s.; D. 13s.; F/G, 13s. 9d.; N, 19s.; W/G, 22s. 6d.; W/W, 25s., ex wharf. **SOYA.**—The market is unsteady and dull. Deodorised, 23s. 3d.; crude, 23s. 6d. **TURPENTINE.**—A further sharp advance in prices is recorded, being due mostly to the fall in sterling exchange rates. The market closes firm with business fair. Total London stocks, 29,786 barrels. On spot, 52s. 9d.; January-April, 54s. **WOOD.**—Hankow in barrels, on spot, is firm as quoted at 49s.

Coal Tar Products, etc.

FAIRLY satisfactory business continues in these products, with pitch, carbolic acid crystals, solvent naphthas and toluol and xylol bright features. Cresylic acid is rather quieter. The market for carbolic acid crystals is especially firm with supplies limited. **BENZOL.**—The market is fully steady and tends to advance; business good: standard motor 90's, 1s. 3½d. to 1s. 4d.; per gallon, in tank wagons, ex works; pure, 1s. 7d. to 1s. 8d. per gallon. **CARBOLIC ACID CRYSTALS** (39° to 40° C.).—The market for the remainder of this year is firm, with second-hand supplies from 6½d. to 7d. per lb. The following scale of prices will operate from January to June next, for home trade: 100 tons, 5½d.; 50 tons, 5¾d.; 10 tons, 5¾d.; five tons, 6d.; one ton, 6½d.; and less, from 6½d. upwards, per lb., carriage paid, in drums with over-casks. Crude carbolic, 60's, firm at 1s. 8d. to 1s. 9d. per gallon, naked at works. **CRESYLIC ACID.**—The market has been rather dull, and the market is not so healthy: pale 98 to 100 per cent., 1s. 6½d. to 1s. 7½d.; dark 95 per cent., 1s. 5d.; special quantities, 3s. to 3s. 3d. per gallon, ex works. American duty-free acid, 1s. 7½d. to 1s. 9d. per gallon, f.o.b. **CREOSOTE OIL** is about steady and business is fairly satisfactory. In bulk quantities, 4½d. to 5d. per gallon, f.o.r. works, South England. **PYRIDENE** meets with a steady business and the market is well maintained: 90 to 160, 3s. 6d. to 3s. 9d. per gallon. **SOLVENT NAPHTHAS** continue steady with a moderate business passing: 90 to 160, 1s. 2½d. to 1s. 3d.; heavy, 90 to 190, 1s. 0½d. to 1s. 1d. per gallon, naked at works. **TOLUOL.**—Market continues firm and active at dearer prices: commercial 90's, 2s. 2d.; pure, 2s. 5d. to 2s. 6d. per gallon, ex works, in bulk quantities. **XYLOL** is keeping well up to former rates, and business is fairly good: commercial, 2s. 1d. to 2s. 2d.; pure, 2s. 4d. to 2s. 5d. per gallon, ex works, in good quantities.

Correspondence

Letters should be written on one side of the paper only. Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor.

The Medicine Stamp Acts

SIR,—Doubtless your readers are a little weary of reading about unstamped proprietaries, but the letter of Mr. Humphreys in last week's issue, and its possibilities of stirring up Government action, have caused me to ventilate a long-felt disquieting thought. Has anyone ever wondered what will happen to some of us if the powers that be suddenly decide, or make it law, that all the different "brand proprietaries" must again be stamped? We have many pounds' worth of unstamped goods now in stock. Would the different makers replace with stamped goods, think you? Judging by their present generosity, I am afraid not, and we should have no option but to provide the necessary stamps ourselves if we wished to sell the goods. In view of the fact that we chemists have been allowed practically nothing of the value of the destamping as a set-off (and which has only been possible owing to our privilege), it is a rather disturbing thought, is it not? One is more and more driven to the conclusion that the best thing to do is to insist upon stamped goods and sacrifice the small difference in price. Furthermore, we are occasionally queried about the genuineness of the articles which do not bear a similar Government stamp, as those sold by our next-door competitor, a co-operative society's branch.

Yours truly,

UNEASY (30/11).

SIR,—The judgment in the Medicine Stamp Acts Test Case (*C. & D.*, November 21, p. 614) upholds the conditions which qualified chemists had always recognised as pertaining to the sales of unstamped known, admitted and approved remedies. But it would appear that the case had nothing to do with the question which has been the most prominent one to retail chemists, that is, the problem relating to the sale of manufacturers' proprietaries destamped under a brand name when the formula is printed on the label. Manufacturers can still avail themselves of the privilege originally granted to chemists by supplying their goods unstamped with the formula on the packet and by disclaiming proprietary rights in the formula; but this disclaimer has no practical value, as they adhere to the right to protect the brand title.—Faithfully yours,

BRAND TITLE (30/11).

SIR,—I wish to express whole-hearted appreciation of the businesslike manner in which Mr. A. Humphreys has dealt with the evils of destamping proprietary medicines (*C. & D.*, November 28, p. 646). Here we have an inversion of another evil, i.e., the supplying of medicines to the unqualified. In the present case we often have the goods supplied by the unqualified to the qualified, a situation which has become intolerable. I am in entire agreement with the four points in Mr. Humphreys's letter, and especially with "Once liable always liable." It is surely obvious that in virtue of the stamp the articles complained of were marketed without disclosure of formula until they have in a sense become household names, and having so far attained their objective, the makers now throw the stamp overboard and would use the chemist as a means to that end. It is beyond comprehension why chemists in the main are so lackadaisical in business matters, allowing themselves to be used virtually as doormats. Let us unite in support of Mr. Humphreys; we have been acting the "ostrich" too long.—Yours faithfully,

STAMP-IT-OUT (2/12).

SIR,—Yet another instance of a firm transferring their articles from stamped to "brand" category, pocketing almost the whole of the saving on duty stamps as extra profit to themselves and allowing an extra paltry 6d. or 9d. a dozen to the retailer. On taking the matter up with the firm, they ask why the public should have the

reduction in stamp duty passed on to them, and argue that overheads have gone up so compared with pre-war times that they are justified in not lowering the price. Could anything be more absurd? They seem to forget that when the duty was raised the price was immediately increased by the same amount. Also that while they were selling at a profit under duty stamp one week, and the next the stamp is omitted, there is no variation in costs of production, therefore a saving of stamp value should be passed on to both retailer and consumer.

Yours faithfully,

WILFRID LEAN, Ph.C.

Burton-on-Trent.

National Register of Opticians Wanted

SIR,—May I beg the hospitality of your columns, in a matter of considerable interest to those of your readers, and they must be many, who are practising opticians, irrespective of the groups or associations to which they may severally belong? It is generally agreed that the legal registration of opticians is desirable, and that it is bound to come some time. It will probably be further agreed that, if it were possible, independent of legal enactments, for the opticians of the country themselves to form a united organisation with a real national register, that too would be eminently desirable. Without in any way seeking to pass judgment upon those in control of the various organisations now in being, I suggest that any movement towards such a national register will have to come from the rank and file, and the object of this letter is to see whether a sufficient body of support would be forthcoming if such a movement were started. I would make it clear that this is not an endeavour to start still another organisation, since the object could be achieved if the rank and file in the various existing bodies would apply sufficient "upward" pressure. The situation bristles with difficulties, but these are not insurmountable; and as a preliminary move I would ask those of your readers who are prepared to work for the formation of a truly national register, preferably compiled jointly by the existing organisations, if they will indicate their agreement by sending a postcard to that effect to me at the address below.

Yours faithfully,

H. LONG.

The West End Pharmacy, Chippenham, Wilts.

Unemployment in Retail Business

SIR,—The suggestion that the Pharmaceutical Society should organise a register for unemployed assistants (*C. & D.*, November 21, p. 633) might prove a helpful one, as it would inaugurate a system which should be useful to both parties in more normal times; but I do not think it would go far to solve unemployment in the present condition of affairs. Apart from the number entering pharmacy, a direct cause of some of this unemployment is the unusual slackness of business; returns have dropped to such an extent in many pharmacies that when an assistant leaves for any cause he is not replaced, and in other cases the proprietor has been compelled to reduce his staff to cut down expenses. Until there is a general revival of trade, or until overhead charges drop to a level commensurate with to-day's returns, I do not see that the situation can level itself. Those who have spent their savings in qualification can find no employment and are "up against it," while those who have a little capital, or friends to advance it, open up new pharmacies in places already over-shopped. They may scrape a bare living (and that is about all), but at the same time they depreciate to the extent of their small takings the trade of those already established.

Yours truly,

EX-ASSISTANT (1/12).

The Applications of Ultra-Violet Radiation

SIR,—As a member of an industry which was as nearly as could be killed by too precipitate official action, will you allow me to state the recent experience of manufacturers of ultra-violet ray apparatus for the benefit of those who, very naturally, chafe over the inevitable delay in applying tariffs at the present juncture in our national affairs? After the war we built up a thriving industry which developed rapidly until about two years ago. Then, out of the blue, came an official report, suggesting in effect that the claims made for ultra-violet radiation could not be substantiated. Needless to narrate, there was no conscious distortion of fact in the verdict presented: it was simply based on evidence collected from a limited area too hastily surveyed. But what was the effect? A flourishing industry almost ceased to be, and very many of its workers found themselves unemployed. Subsequent events are the best commentary upon that situation of two years ago. To-day practically every hospital in the country, as well as many private homes, factories and public institutions, are equipped with ultra-violet apparatus, where a vast number of ailments of a very varied type are successfully dealt with. The beneficial effect on rickets is testified to by every institution dealing with this type of patient; surgical tuberculosis is markedly benefited by the radiations, as well as psoriasis, eczema, chilblains, common colds, etc. The famous physician, Dr. Nagelschmidt, has contributed medical articles on the successful treatment, in cases of loss of hair, by ultra-violet radiations. There are, at the moment, a large number of text-books available written by experienced doctors applying ultra-violet rays, which testify beyond all shadow of doubt to the very beneficial effects that are to be derived from this treatment. There are lamps at almost every aerodrome to keep the airmen fit. Banks use the ultra-violet rays to detect forgeries; cigarette manufacturers to remove from tobacco irritants which cause smoker's cough. They are employed in testing dyes, in making patent leather, in ageing wines, in making linoleum, in the treatment of oil, and in many other industrial processes. In brief, as our knowledge of ultra-violet radiation extends, so its usefulness grows throughout the whole life of the community. Nobody to-day questions the efficacy of the ultra-violet rays; and in two years we have completely succeeded in raising up our industry again from the ruins in which it was left by an ill-considered Government report. Surely the moral for these times is—deliberate before you legislate.—Yours, etc.,

F. W. READ,

Director, Medical Supply Association, Ltd.
London, W.C.1.

Legal Queries

E. A. B. (25/11).—The label does not comply with the provisions of the Labelling of Poisons Order (*C. & D. Diary*, 1931, p. 308), which requires that the proportion or percentage that the poison bears to the other ingredients must be stated on the label, together with the word "Poison."

G. H. R. (24/11) is being supplied by wholesale firms with imported goods for the Christmas trade, such as scent sprays, manicure sets and glass powder bowls, that do not bear any indication of origin. If he fails to mark the goods before sale, what penalty will he incur? [If the goods come within one of the Orders in Council made under the Merchandise Marks Act, 1926, they must bear an indication of origin at the time of sale and exposure for sale; but if the goods are not subject to an Order, they need not be marked unless they have upon them a name or mark which suggests that they are British. No Order applies to scent sprays, but scissors in a manicure set would have to be marked, and so would a glass powder bowl, unless it is mounted. The penalty for a breach of the Act is a fine of £5 for a first offence and a fine of £20, with or without forfeiture of the goods, for a subsequent offence.]

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for, and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

A. S. (30/31).—COUGH CANDY.—A formula for this is as follows:—

Granulated sugar	...	...	9 lb.
Brown sugar	...	...	5 lb.
Liquorice paste	...	...	1½ lb.
Tartaric acid	...	...	1½ oz.
Ipecacuanha powder	...	...	1 oz.
Tinct. of tolu	...	...	1 oz.
Oil of peppermint	...	...	½ oz.
Cream of tartar	...	...	½ oz.
Water	...	...	4 pints

A. M. C. (27/38).—SHAVING CREAM.—A preparation for shaving without the use of brush or water can be made as follows:—

Spermaceti	...	...	5.0
Borax	...	...	3.0
Stearic acid	...	...	20.0
Glycerin	...	...	20.0
Distilled water	...	...	80.0
Hard soap	...	...	10.0
Caustic soda solution	(20 per cent.)	...	2.0

The method of preparation is to liquefy the solids over a water bath, add the soda solution, and stir in after it has been removed from the source of heat.

Subscribers' Symposium

For interchange of opinion among "C. & D." readers and brief notes on business and practical topics.

Methods of Price Reduction

It may happen (it has happened before) that a chemist orders a parcel of goods only a few days before a reduction is to take place; his order is accepted and executed, and he receives the goods only to find that the next week the price has been lowered and he is going to lose on every sale. Surely in such a case as this the manufacturer could give some indication, or could hold up the order for a day or two to let the chemist have the advantage of the reduced price? Another method which acts unfavourably on the chemist is in reference to the giving-away schemes. The chemist must purchase a parcel, usually 6 dozen or so, if he wishes to share in it; before he has had time to dispose of this stock the same firm will bring out a new scheme, again involving an order for another half-gross, so the small chemist either has to pile up unwanted stock or to be placed at a disadvantage.—*Overstocked* (30/11).

Retrospect of Fifty Years Ago

Reprinted from

"The Chemist and Druggist," December 15, 1881
Studies for Examinations

Mr. Woolley laid before the Council [of the Pharmaceutical Society of Great Britain, at its December meeting] a resolution which had been passed almost unanimously on December 1 at an important meeting of the Manchester Chemists' Association, at which delegates from many neighbouring towns had been present, as follows:—"That in the opinion of this meeting it is desirable that a more intimate relationship between pharmaceutical education and pharmaceutical examination should be established, and that candidates for examination should be required to show that they have attended courses of lectures, in some recognised school, on chemistry, botany, and materia medica, and also a course of instruction in practical chemistry."



[Commenced C. & D., July 5, 1924]

Window-Riser.—The window-riser is the sloping side of the window base, generally from 3 in. to 6 in. high; it provides a useful background for the chemist's name-plate. Frequently the name is applied to this section of the window in the form of enamel-filled metal letters fitted with spikes at the back by means of which it is fastened to the wood. An opal glass plate with applied metal letters may be preferred. This can be let into the window-riser, and, by means of a tubular electric lamp fitted below the window base, illuminated at night. Ruby flashed glass is also used for this purpose. Veneered inlaid letters look effective on a parquetry riser, as also do the plain outline types in pewter, white-metal, aluminium or bronze. It is preferable to keep this sloping portion free from displayed goods, showcards, price tickets, or other impedimenta, because its main purpose is to set back the window clear from the plate-glass, so that it is seen to better advantage, and this effect is nullified if the sloping surround is cluttered up with small items. Sometimes where a mahogany window base is employed, or where the base is edged with a mahogany moulding, the riser is made of concave shape. Where it is so shaped it will generally be desirable to leave it with a plain polished surface, or just to add a few neat painted gilt letters.

Wine.—In commercial usage, primarily a product obtained by the fermentation of grape juice. The making of wine is probably as old as civilisation. The cultivation of vines for vintage purposes has attained a high degree of proficiency in France and some other countries. In the preliminary stages of making white wines the skins are rejected; for making red wines they are added to the must (crude juice). The technical details of the production of wines are outlined in Thorpe's "Dictionary of Applied Chemistry," VII, 472. The finished product contains ethyl alcohol of varying percentages, glycerin, tartaric and other acids, salts, invert sugar, extractive matter and, in small proportion, various constituents, such as esters, which confer a characteristic flavour and bouquet in each case. Calcium sulphate is often added to wine, before or after fermentation, for the purpose of reducing the proportion of water present, an operation known as "plastering." In France, Germany and some other countries the sale of wines containing more than the equivalent of 2 gm. of potassium sulphate per litre is prohibited. The manufacture of sparkling wines consists essentially in the addition of sugar (or a proportion of an old wine) to new wines, storage, and the removal of sediment; a small quantity of liqueur or still spirit is finally added and the wine recorked. Many countries produce wines of still and sparkling types. The constants of several wines are given in Allen's "Commercial Organic Analysis." (See also "Alcohol in Beverages.") Wines of low alcoholic content are sometimes fortified by the addition of silent spirit; and wines not derived from grape juice are based on the juice of apples, raisins, currants and other fruit.

MEDICATED WINES have been official for many centuries. The British Pharmacopœia recognises only orange wine, sherry and the few wines prepared with one of these as a basis—wine of iron citrate and quinine wine from orange wine; antimonial wine, colchicum wine, iron wine and ipecacuanha wine from sherry. In other countries port, malaga, white wine and other wines are in use for the purpose, with or without the addition of alcohol. (See "Pharmaceutical Formulas," 10th ed., pp. 707-717.)

Wine Essences.—Solutions containing various substances for adding to water or dilute alcohol for the purpose of extemporising home-made wines (1) as beverages, or (2) as medicated wines. In 1893 the Government authority administering the spirit laws gave a ruling that the manufacture and sale of essences for "temperance and summer beverages" would not be interfered with, subject to the condition that the percentage of vegetable acid present was not less than the percentage of proof spirit in the same mixture. Care should be taken, before compounding any such formula, that it complies with this condition, unless a spirit licence is held. In "Pharmaceutical Formulas" (10th ed., pp. 717-719) several recipes for beverage essences and for medicated wine essences are given.

Wine: Sale.—The name "wine," where used without qualification, means with reference to revenue law wine imported into the United Kingdom. Where any question as to liability to licence or other duty arises, if anyone sells a liquid as foreign wine it is to be held as against him to be foreign wine. But any fermented liquor containing more than 40 per cent. of proof spirit is taken to be spirits. The liquors commercially known as British wines and made wines come within the legal definition of "sweets." All wine imported into the United Kingdom has been from the earliest times subject to a duty on importation. The duties at present levied are based mainly on the alcoholic strength of the wines, and range from 3s. a gallon on wines not exceeding 25 degrees of proof spirit to 8s. a gallon on wines exceeding 25 degrees and not exceeding 42, with an additional duty of 8d. a gallon for each degree in excess of 42. In the case of wines imported in bottle there is a further duty of 2s. a gallon if the wine is still, and 12s. 6d. if sparkling. In ancient times a tax of varying amount was levied on wine under the name of tonnage, a levy in kind of a portion of the cargo being also made. At the Restoration in 1660, when a general fiscal resettlement was undertaken, the Act known as The Great Statute laid down a table of duties for the wines then imported. These duties differed in relation to the person importing (whether an Englishman or a foreigner), the port of importation, and the country of production. In 1703 we bound ourselves to admit wines the produce of Portugal at rates less by one-third than the rates charged on the wines of France. Though this preference has ceased, we now have on our statute-book the Anglo-Portuguese Commercial Treaty Acts, 1914 and 1916, which specially safeguard Portuguese wines against unfair competition by wines of other countries. A dealer in or retailer of wine is prohibited from—(a) mixing for sale any foreign wine with any British wine; (b) selling or exposing for sale any British wine which contains foreign wine in any quantity exceeding 15 gallons foreign to 100 gallons British; or (c) selling or exposing for sale any British wine to which spirits have been added except for the sole purpose of fortifying the wine. Wine can only be sold under a licence, except in the case of sales of wine in bond in quantities not less than 100 gallons and in the casks in which imported. Sales under other circumstances require an appropriate licence. If the sale is in a quantity of two gallons or more, a dealer's licence must be held. This costs £10 13s. annually. If the sale is in a quantity not exceeding two gallons, a retailer's wine licence must be held. The cost of this depends upon the annual value of the licensed premises, and the licence can as a rule be granted only to the holder of a justices' licence to retail wine. But this is not required for a wine off-licence granted to a wine dealer for premises used by him exclusively for the sale of intoxicating liquors or of such liquors and mineral waters. It is not the practice of the Commissioners of Customs and Excise to require a licence to be taken out for the sale of wines so medicated as in their opinion to be unfitted for use as beverages, and provided the dosage is expressed on the receptacle containing the wine. This, however, is an extra-statutory concession, and would be no justification if the person selling were charged with the offence of selling without a justices' licence.

Wine Vinegar.—Vinegar prepared by the acetic fermentation of wine. Details of the processes employed

The C.&D. Commercial Compendium

on a commercial scale will be found in Thorpe's "Dictionary of Applied Chemistry," I, 17-18. Wine vinegar from the district of Orleans is widely known and appreciated; in other districts also, in France, in Germany, and in Holland, vinegar prepared from local wines is an article of commerce.

Wintergreen Oil.—Genuine wintergreen oil is the distillation product of the leaves of *Gaultheria procumbens*, but so closely is this oil imitated by other oils that the commercial article is rarely the true oil at all. "Commercial" wintergreen oil is usually the distillation product of the bark of *Betula lenta*, or an artificial synthetic oil, methyl salicylate. *Gaultheria procumbens* is a North American plant, known as the tea or partridge berry. The distillation of the leaves takes place in a primitive apparatus, either ordinary whisky stills or wooden tubs with copper bottoms. The oil yield varies from 0.5 to 1 per cent., and the oil has the following characters:—

Specific gravity	1.180 to 1.193
Refractive index	About 1.5350
Slightly levorotatory	
Distils between	218° and 221°

The bark of *Betula lenta*, the sweet birch, gives about the same oil yield of an oil of so similar a nature that it is now sold as wintergreen oil to the almost absolute exclusion of the oil of *Gaultheria procumbens*. The only physical difference between the two oils is that the oil of *Betula lenta* is quite optically inactive. Power and Kleber, after the examination of a very large number of samples of the two oils, give the following summary of their results:—**Oil of *Gaultheria*:** Contains about 99 per cent. of methyl salicylate, together with a small amount of paraffin, probably triacontane, $C_{30}H_{62}$, an aldehyde or ketone, an apparently secondary alcohol, $C_8H_{16}O$, and an ester, $C_{11}H_{22}O_2$. To the latter body is possibly due the optical activity of the oil, whereas in the oil of birch it may be assumed that this body has suffered inversion through the process of fermentation by which the latter oil is formed. A pure fresh oil of gaultheria should show an optical rotation of not less than $-0^\circ 25'$ in a tube of 100 mm. **Oil of Sweet Birch:** This oil consists to the extent of about 99.8 per cent. of methyl salicylate, and, in its unrectified state, contains also a very small amount of the above-mentioned paraffin, $C_{30}H_{62}$, and the ester, $C_{11}H_{22}O_2$, but does not contain the alcohol, $C_8H_{16}O$, which is found in gaultheria oil. The oil of sweet birch is always optically inactive. Both of these oils have a specific gravity ranging usually from 1.180 to 1.187 at $15^\circ C$. Both of them, as well as the synthetic methyl salicylate, form a perfectly clear solution with five times their volume of 70 per cent. alcohol at about $20^\circ C$, which, in connection with other distinctive characters, is an excellent practical test for their purity. Neither the oil of gaultheria nor the oil of sweet birch contains any trace of benzoic acid or its esters, nor does either of them contain any terpene or sesquiterpene. It has been said that the odour of the artificial oil is not so fragrant as that of the natural oil, but so long as pure salicylic acid is employed in its preparation no objection can be raised. Also, as the synthetic oil is worth less than half the value of the natural product of *Betula lenta*, and mixtures of the two cannot be detected, it is easily seen how the producing districts in America started importing the artificial oil, which returns to commerce as the natural oil. The oil is sometimes adulterated with petroleum or light camphor oils, both quite easily detected. Also, with sassafras oil, which is easily detected by its lowering the saponification number and its characteristic odour which remains after the wintergreen odour has been destroyed by saponification. The oil has a certain use in pharmacy, either as a drug or to cover the nauseous tastes of other drugs, but it has a more extensive use in the manufacture of such confections as the American chewing gums. Many colour reactions have been suggested for differentiating between the oils of gaultheria and

sweet birch and artificial methyl salicylate. Most of these are not satisfactory, the only one which yields useful data being that of Umney. To five drops of the oil in a test tube add five drops of a 5 per cent. alcoholic solution of vanillin and 1 c.c. of alcohol. Shake well, and add 2 c.c. of a concentrated sulphuric acid and mix thoroughly. When this test is applied, pure gaultheria oil produces an intense crimson colour and pure retula oil a deep blood-red, while synthetic esters give a yellow colour.

Witch Hazel.—See Hamamelis.

With all Faults.—A term used in the drug auction catalogues, and applied to damaged or salvaged goods offered for public auction.

Without Reserve.—A term applied to goods so offered in the public drug auction, signifying that they will be sold to the highest bidder if there is more than one bid. If not, it is within the discretion of the broker to withdraw the lot. In most instances the price realised for goods sold "without reserve" bears no relation whatever to the current open market quotations. Occasionally damaged goods are sold "without reserve for account of whom it may concern," on underwriter's account.

Witnesses' Fees.—Witnesses attending court may be allowed a sum to cover the reasonable cost of travelling to and from the court, with a minimum of 1s., together with an allowance for their attendance. In addition, witnesses may be allowed for hotel expenses the sums actually and reasonably paid by them. The amount to be allowed for witnesses' fees and expenses is settled by the master or other official of the court by whom the costs are "taxed." (See Taxation of Costs.) In the County Courts and the High Court there are scales of allowances to witnesses which form a rough basis for determining the amounts to be paid. Apart from travelling and other expenses, the allowance to a witness for attending court varies in the case of an ordinary witness from 5s. to £1 1s. a day, according to the witness's position in life or calling. An expert witness may be allowed from £1 1s. up to £3 3s. a day for attending court and, in addition, from £1 1s. up to £5 5s. for "qualifying to give evidence." The usual allowance to tradesmen for attending court as witnesses is 15s. a day. The foregoing gives a rough idea of the scale of allowances that will be sanctioned on taxation of a litigant's costs; but special arrangements may be made by a party for the remuneration of a witness. A witness can recover by action, from the party on whose behalf he has been called, the amount to which he is entitled. In civil actions, a witness who has been served with a subpoena to give evidence is not obliged to attend the trial unless he is paid, or there is tendered to him a reasonable sum of money, called "conduct money," for the expenses that he will necessarily incur in going to the court. In criminal proceedings, witnesses are not, strictly speaking, entitled to payment of any fees or expenses, although these are, in practice, commonly allowed.

Women Pharmacists' Association.—The National Association of Women Pharmacists was founded in 1900. The first president was the late Mrs Clarke-Keer, to whom and to Miss M. E. Buchanan, Ph.C., the continued success of the Association is largely due. President, Mrs. Adams; Secretary, Miss Hodgkinson, 12 Langside Crescent, Southgate, London, N.14.

Wood Naphtha.—The commercial substance known as wood naphtha, or wood spirit, is obtained by the destructive distillation of wood. It is a clear, yellowish liquid, easily inflammable, containing from 60 to 90 per cent. of methyl alcohol, together with acetone, aldehyde, water, pyridine and other substances; s.g. about 0.840. From it methyl alcohol is prepared, and in its crude state it is used to some extent as a solvent.

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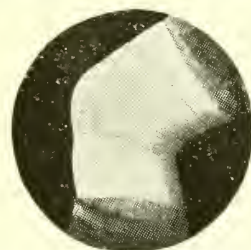
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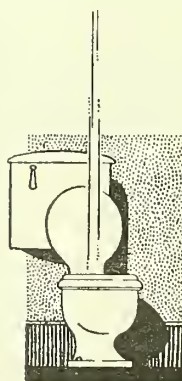
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THE CHEMIST & DRUGGIST DIARY, 1931

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Paris: Messrs. ROBERTS & CO, 5, Rue de la Paix.

SOLAZZI

The Chemist's Brand
LIQUORICE JUICE

**SOLAZZI JUICE IS GUARANTEED
TO CONSIST ENTIRELY OF THE
CONDENSED EXTRACT OF FINEST
CALABRIAN LICORICE ROOT
WITHOUT ANY ADMIXTURE WHATEVER**

Should any enquiry as to the composition of SOLAZZI be received from the public, Chemists are asked to emphasise the fact that SOLAZZI is not included in the category of Secret Remedies, and that the accompanying guarantee obtains with every parcel.



**"For Headache,
Influenza, Chills
and 'Flu, I always
recommend—and sell
READE'S**

**EXPRESS
POWDERS**

The Safe, Sure & Speedy Cure"

In similar words many chemists have expressed their appreciation of Express Powders. Marketed over 18 years ago, Express Powders quickly gained a reputation in the home territories. Since, advertising has brought this remedy to the notice of millions of people, and now there is a brisk demand in over two-thirds of the country. You will find many customers in your area, and repeat business can be relied upon giving profitable turnover without effort.

LONDON DISTRIBUTORS:

MAY, ROBERTS & CO., LTD.

7-13 Clerkenwell Road, E.C.1

SANGER & SONS,

42a Hampstead Road, N.W.1

NOTE REVISED PRICES AND PACK

Sizes ...	1/3 box	3/- box containing 22 powders	Box for opening containing 45 Powders at 2d. each 5/- each	Box for opening containing 110 Powders at 2d. each 12/- each
Prices ...	11/6	30/-	2/6 each	6/4 each
Profit	3/6	6/-		
Yielded	per doz.	per doz.		

Special Prices upon application for £5, £10, and £25 Parcels.

Made by READE Brothers & Co., Ltd.,
WOLVERHAMPTON

MEL ROSE — TABLETS

FOR
CHAPPED
HANDS, &c.

Manufactured for close on 50 years



The public demand is maintained in spite of many imitations, and Chemists can rely on sales all the year round.

Look to your Stocks.

2d. and 4½d.

MEL ROSE — CREAM

*Sold in Jars for the Dressing Table.
Contains all the remedial properties of
the Tablet made up in a softer form.*

9d.

ROBERTS & SHEPPEY SOLE MANUFACTURERS
2 SKIPTON ST., LONDON, S.E.1

**ALL CHEMISTS
SHOULD STOCK**

ABDINE

THE GOLD MEDAL HEALTH DRINK

Quick Seller. Big Profits. Over 50 years' Reputation.

"Abdine" is the most popular Health Drink. Perfectly safe for all ages. Made from choicest fruits, it does not contain Epsom or Glauber Salts. Year after year the sales are steadily increasing.

DUNCAN MCGILSHAN LTD., ABDINE WORKS, WESTFIELD RD., EDINBURGH

DRIED MILK

Large buyers of Full Cream, Half Cream, Separated, Milk Sugar, Whey Powder, Soluble Milk Casein, are invited to apply for samples and quotations, stating probable requirements. Eight Creameries in Dorset, Somerset and Wilts.

PRIDEAUX'S LTD., MOTCOMBE, SHAFTESBURY, DORSET

CHEMISTS SHOULD ALWAYS HAVE IN STOCK

TOWLE'S PENNYROYAL & STEEL PILLS

Advertised all over the world.

ESTABLISHED 100 YEARS.

Sole Proprietors:

E. T. TOWLE & CO., LTD.
TOLL ST., NOTTINGHAM

Always in demand

SANATOGEN
THE TRUE TONIC FOOD

GENASPRIN
THE SAFE
BRAND OF ASPIRIN

FORMAMINT
WULFING BRAND

GENOZO
BRAND
TOOTHPASTE

4 *sure*
profit-bringers

Chemists know from experience that it pays to push these four Genatosan products. They are consistently and well advertised all over the country throughout the year and the demand for them goes on steadily increasing. All are supreme in their own class, and their established quality brings numerous "repeat sales." They have the cordial backing of the Medical Profession, and are sold to a great degree under medical prescriptions.

And you are assured of a high percentage of profit for them, particularly if you purchase on direct cash terms.

GENATOSAN

GENATOSAN LTD., LOUGHBOROUGH, LEICESTERSHIRE.

Telephone : Loughborough 292.

Telegrams : "Genatosan, Loughborough."

SPECIFY
SPUN
WHEN ORDERING OINTMENTS
"SPUN" OINTMENTS

may be ordered through:—

Messrs. BUTLER & CRISPE,
80-82 Clerkenwell Road, London, E.C.1.

Messrs. W. EDWARDS & SONS,
14-18 Nile Street, City Road, London, N.1.

Messrs. MAY, ROBERTS & CO., LTD.,
7-13 Clerkenwell Road, London, E.C.1.

Messrs. FRANCIS NEWBERY & SONS, LTD.,
27-28 Charterhouse Square, London, E.C.1.
13 Crichton Place, Cardiff, and
12 School Lane, Liverpool.

Messrs. SANGERS, 258 Euston Road, London, N.W.
Messrs. W. SUTTON & CO., Druggists' Sundries,
London—76 Chiswell Street, London, E.C.1.

or ORDER DIRECT FROM:—

Telephone :
Hop 2422

Telegrams :
"Ushenspuna, London."

ROBERT BLACKIE SHEN WORKS,
TOWER BRIDGE RD.,
LONDON, S.E.1.

COD LIVER OIL EMULSION
WITH CHEMICAL FOOD

*Combining the Two Well-
known Preparations - -*

**EMULSION COD LIVER OIL & HYPO. BAISS
and SYR. FERRI PHOSPH. CO. BAISS**

VERY PALATABLE

PARTICULARS AND
PRICES FROM

BAISS BROTHERS & CO., LTD.

Telegrams: *Ipecac, London.*

GRANGE WORKS, LONDON, S.E.1 Telephone: *Bermondsey 1301 (3 lines)*

**AN OLD-FASHIONED—BUT REALLY EFFECTIVE
remedy for COUGHS, COLDS, IN-
FLUENZA and BRONCHIAL troubles.**

Licoricine
ACTS LIKE MAGIC

Prices 10½d., 1s. 3d. and 3s.

MANDALL & CO. Ltd., 17/23 Stepney Rd., Newcastle-on-Tyne.

LIVERPOOL BRANCH: 130/132 RICE LANE, LIVERPOOL (Telephone: 59 Walton).
Distributing Depot for Lancashire and Cheshire.

TERMS.

10½d. size, 8/6 per doz.

1/3 " 12/- "

3/- " 27/- "

Less 5% dis. on £6 orders.

Carriage paid on orders of
£2 and over.

WINTER PLANS TO PUSH 'ASPRO'

Our winter plans are ready. "Bigger business ahead" is our motto. The 'ASPRO' advertising campaign will be spread more widely and more powerfully than ever before through the national and provincial press. Over 300 papers are involved carrying regular large space insertions of seasonal advertising. Their total circulation is more than 32,000,000, taking the 'ASPRO' message several times monthly into almost every home in the country.

DO YOU REALISE WHAT THIS MEANS TO YOU AS A RETAIL CHEMIST?

The Chemist who displays 'ASPRO' continuously in his window and shop benefits from this enormous campaign just as though the advertisements bore his own name. An 'ASPRO' display will bring an ever-increasing stream of customers into your shop. Our new and attractive winter display—giant cartons—seasonal window stickers—counter mat—all are at your disposal. Why not write us to-day?



Here is the new display, it is printed in full colours, and is worthy of a central position in your window.

'ASPRO' consists of the purest Acetyl Salicylic Acid that has ever been known to Medical Science, and its claims are based on its superiority.

Agents: GOLLIN & CO. PTY. LTD. ('Aspro' Dept.)
SLOUGH, BUCKS

Telephone: SLOUGH 608

Made by ASPRO LTD., SLOUGH, ENGLAND.

No proprietary right is claimed in the method of manufacture or the formula.

'ASPRO'
REG. TRADE MARK

BONUS TERMS



Allcock's Porous Plasters
10/- per doz. 14 to the dozen

Allcock's Corn Plasters
12/- per doz. 15 to the dozen

Attractive and quick selling
show material enclosed
with each parcel.

Make the most out of our
Press advertising by order-
ing bonus parcels through
your Wholesaler or direct.

ALLCOCK MFG. CO.
BIRKENHEAD

“COLLOPLASMA”

THE ALL-BRITISH KAOLIN POULTICE

NO ADVANCE IN PRICE

The efficiency of “Colloplasma” is recognised in
medical circles and it is regarded as by far the
most efficient form of poulticing available

SPECIAL BONUS OFFER NOW AVAILABLE TO PHARMACISTS

Particulars on application

Issued in 8, 16, and 32 oz. tins

THE CROOKES LABORATORIES (BRITISH COLLOIDS LTD.)
GORST ROAD, PARK ROYAL, LONDON, N.W.10

Telephone (three lines): WILLESDEN 6313

Telegrams: COLLOSOLS, HARLES, LONDON

To the Owner of a Branded Advertised Line

A substantial firm of Manufacturers and Distributors of proprietary advertised lines desires to

PURCHASE AN ESTABLISHED BUSINESS

selling to Chemists, Hairdressers, Ironmongers or Grocers, for the purpose of adding to its group of products.

Correspondence is invited from principals or their solicitors or accountants, and in order to save time it is requested that the first letter should give an indication of the nature of the product and some details. There will be no delay in completing the purchase of a desirable business.

Please write in the first instance to—

Mr. A. McAUSLANE (Chartered Accountant) 15 WALBROOK, E.C.4

CORNER'S OILS

The **GREAT** remedy for
Accidents and Animal Ailments.

Protected Retail Price - - **2/9** per bottle.

Wholesale - - - - **24/-** per doz.

P.A.T.A. Nett 1 month.

Carriage Paid on 3 dozen Lots.

EVANS, GADD & CO., LTD., having the sole proprietary rights in the above excellent and well-known article, are prepared to appoint Agents on liberal Terms.

For Window Show Terms, apply to

EVANS, GADD & CO., LTD.

REDCLIFF STREET, BRISTOL, and FORE STREET, EXETER.

Telephone : Bristol 4958, 4959.

„ Exeter 2278, 2279.

Telegrams : Gadd, Bristol.

„ Gadd, Exeter.

. . . Win More Sales With "WINNING COLOURS" Dyes !

MORE AGENTS STILL WANTED

Send to-day for full particulars, and have "Winning Colours" in the race for sales.

Unequalled for strength and beauty of colour, with correctness of tone, these well-known dyes will bring you many repeat sales. They attract customers to your shop, for, once tried, "Winning Colours" Dyes are always used.

Particulars of this profitable agency, window display material, etc., will be gladly supplied. Convincing and attractive advertisements, which appear in the National Dailies from time to time, will stimulate the public interest, and bring you increased demand.

Buy the Dyes of Cup Fame !

The UNITED INDIGO & CHEMICAL Co. Ltd.
HUDDERSFIELD - - - YORKSHIRE

Sales Agents for Southern England: THE PHIL-SANO CO., LTD., CRAVEN HOUSE, KINGSWAY, LONDON, W.C.2



PETROLEUM JELLY
("SALVO PETROLIA")
BRAND

THE PERFECTION OF PETROLEUM JELLY
MANUFACTURED SOLELY BY

THE DEE OIL CO. LD.

**D 23 & 24 EXCHANGE BUILDINGS
LIVERPOOL**

TELEPHONE - **CENTRAL 3859** TELEGRAMS - **"CESTRIAN"**

LONDON OFFICE
11 POULTRY, CHEAPSIDE, E.C.2. PHONE: CITY 8455

**PACKED IN BARRELS, KECS OR
SMALLER PACKAGES IF DESIRED.**

OTHER GRADES OF
PETROLEUM JELLIES, WHITE BASES ETC.
WHITE OILS B.P. & Technical Qualities.
SAMPLES & PRICES ON APPLICATION

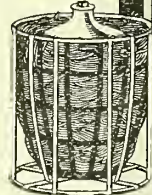
OLEUM DEELINÆ (DEE OIL)
THE UNFAILING CURE FOR ECZEMA

DISTILLED WATER in perfect condition

from our own stills. Supplies sent daily to Chemists in all parts. Immediate dispatch. We solicit your enquiries for dry-saltries generally. Obtain your supplies of Olive Oil, Camphorated Oil B.P. and Cotton Oil B.P.C. Grades from our large stocks.

**FRANCIS F. FOX
AND COMPANY LIMITED**
BRISTOL & BIRMINGHAM

Established over 100 years



G. E. THURLEY & SON

Specialists in Liquid Paraffin

UNITY WORKS, LATIMER ROAD, LONDON, E.7
Telephone: Maryland 4686

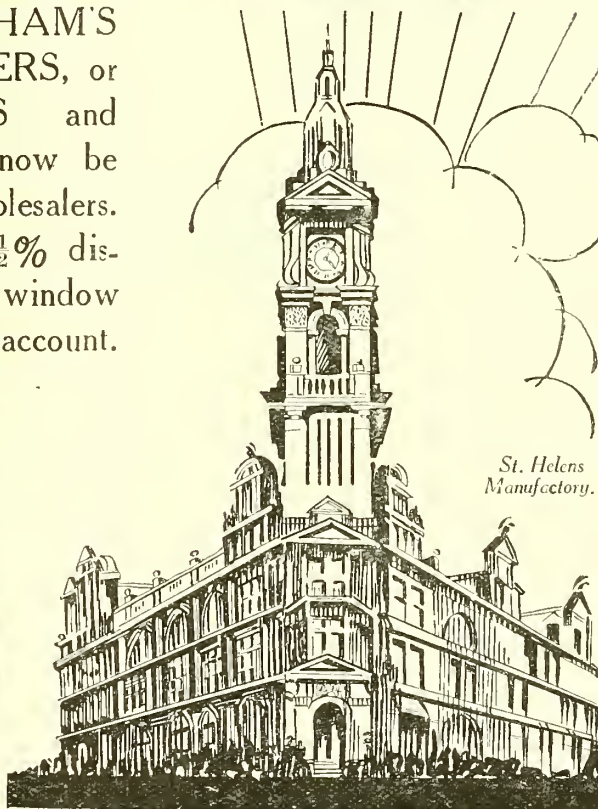
TWO DAILY SELLERS

**£2 PARCELS
NOW AVAILABLE**

CHEMISTS and Druggists should note that £2 parcels for either BEECHAM'S PILLS or BEECHAM'S POWDERS, or assorted BEECHAM'S PILLS and BEECHAM'S POWDERS, can now be obtained direct or through their wholesalers. These £2 parcels carry the usual $2\frac{1}{2}\%$ discount and a further 5% discount for window display—carriage paid—Monthly account.

**NOTICE—ALL ORDERS FOR
BEECHAM'S PILLS AND
BEECHAM'S POWDERS
SHOULD BE ADDRESSED
TO**

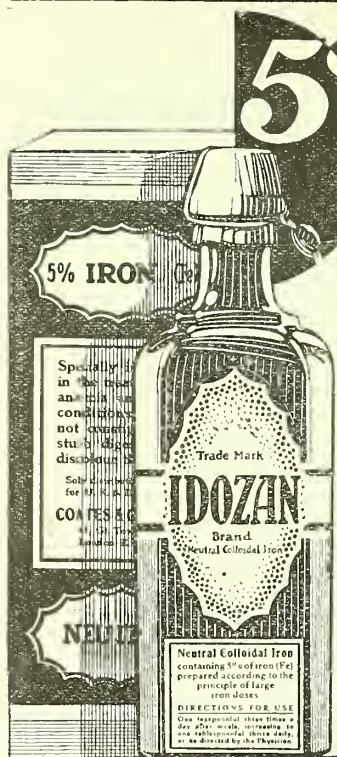
**BEECHAM'S
PILLS
BEECHAM'S
POWDERS**



BEECHAMS PILLS LTD.
ST. HELENS, LANCS.

Telephone: 1230 St. Helens

Telegrams: Beecham St. Helens.



5%

of pure Iron (Fe)
in readily assimilable form
... the finest iron preparation
on the market to-day.

Does not constipate, derange the stomach or discolour the teeth.

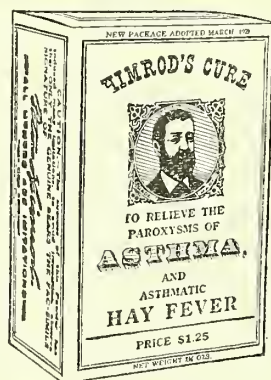
8 oz. Bottles. — 5/-
40 oz. (Dispensing) 20/-

Liberal discounts. Order through
your wholesaler or write direct.

Sole Agents for U.K. and Dominions:
COATES & COOPER, LTD.
94 Clerkenwell Road, London, E.C.1.

IDOZAN

IDOZAN HAS BEEN
REGULARLY PRESCRIBED
BY DOCTORS IN FIFTEEN
DIFFERENT COUNTRIES



**Profitable,
Repeat Business and
Satisfied Customers**

Standard For Over 60 Years
Himrod Manufacturing Co.
HOBOKEN, N. J., U. S. A.

—Order From Your Service Jobber—

CANADIAN HONEY


**Bee Kist
BRAND**

The Finest Honey imported
and the selected pack of the
famous Apiaries of Ontario.

Write for samples and full
particulars to Sole Agents

R. & W. DAVIDSON, LTD.
49 TOOLEY ST. 68 VIRGINIA ST.
LONDON, S.E.1 GLASGOW
And at Manchester and Liverpool

GUARANTEED PURE

*We help you to sell this
non-alcoholic Ginger Wine*

not that our help is absolutely necessary, for in thousands of cases it sells itself. New customers, however, will be attracted by the smart and telling advertising matter we send out for display purposes. This includes our latest "Savings Bank" novelty. We pay you for the window display and a generous profit is assured.

GOOD
it's
Mason's

MASON'S
GINGER WINE ESSENCE

For full particulars write
NEWBALL & MASON, LTD., NOTTINGHAM.

BUY BRITISH

The (National) British Government, Sept. 1931, said:

"In their expenditure it is hoped that everyone will be vigilant in making demands for BRITISH LABOUR AND PRODUCTS, so that we do not import one shilling's worth of goods more than is necessary."

**HARROGATE BRITISH
APERIENT WATER AQUAPERIA**

(Medicinal)

Try **HARROGATE SPARKLING TABLE WATER**
"FONTALIS" (slightly saline) with your Whisky

CAMWAL Ltd. Victory House, Swallow St.,
Piccadilly, W.1.

Tel.: GERRARD 5714-5

SHOWS OVER 33% PROFIT.

4 $\frac{1}{2}$ D **HOLIDAY'S** **4 $\frac{1}{2}$ D**
per tin. per tin.

GINGER BEER CRYSTALS

ONE TIN MAKES TWO GALLONS OF

Sparkling Home-Brewed Ginger Beer

NO BOILING OR STRAINING REQUIRED.

36/- per gross, nett. Carriage Paid. Packages Free.
3 doz. sample lot, post paid, 10/- Advertising & Show Matter

SOLE MANUFACTURERS:

HOLIDAY & CO, LTD., City Mills, Durham.

.. a non-caustic
germicide of
proved value —
at a
POPULAR PRICE!

MONSOL

Liquid
GERMICIDE

When placing your next order
don't forget the popular size
Monsol Germicide selling at

1/-


(Wholesale 8/- per dozen)

This shilling bottle makes two gallons of the diluted germicide at therapeutic concentration. It meets the present day demand for an entirely reliable article at an economic price—and is being recommended by doctors and midwives to their patients.

Obtainable from the

MONSOL DISTRIBUTING AGENCY,
168-172 Drummond Street, N.W.1

A MONSOL PRODUCT



EDME **MALT EXTRACT WITH COD LIVER OIL**

Guaranteed pure and manufactured from the choicest Barley Malt and the finest Norwegian Cod Liver Oil.

"Edme" Malt Extract with Cod Liver Oil is rich in diastase, and contains all the vitamins in an active state, in carefully balanced proportions, the presence of which has been proved to be so essential in foods for the proper nutrition of the body.

Customers' own name and address printed on label.

Write for Samples and Trade Terms to :
EDME Ltd., 122 124 Regent St., LONDON, W.1

Telephone :
REGENT 7525.

Works : Mistley, Essex.

Telegrams :
"EDME, PICCY, LONDON."



The superiority of Cod Liver Oil

Leading authorities have recently proved by the most thorough researches that a certain number of units of natural Vitamin D administered in Cod Liver Oil are far more effective in the treatment of rickets than the same or even double the quantity of these units in the form of irradiated Ergosterol.

This shows that the position occupied by Cod Liver Oil in therapy remains impregnable, and it seems unlikely that any artificial product will ever succeed in fully replacing nature's own medicine, which has been used for centuries on account of its unique curative properties.

The world-famed Norwegian Cod Liver Oil, being under direct supervision of the Norwegian State, always maintains its high quality.

A TEASPOONFUL OF NORWEGIAN COD LIVER OIL CONTAINS MORE VITAMINS THAN



ALL THE BUTTER AND MILK ANY INDIVIDUAL CAN EAT AND DRINK IN A DAY

Norwegian Cod Liver Oil

National Committee for Promoting the Consumption of Norwegian Cod Liver Oil, Post Box 226, Bergen, Norway.

See that this seal is on every barrel.

Introducing

Galen was a pioneer of A.D. 131 or thereabouts. Galen Products are pioneers of A.D. 1931.

Galen Products are the expression of an ideal—to give the very best possible medicated lozenges, pastilles, etc., at popular prices, and with an adequate profit margin.

Galen "Mints," for example, are hand-made lozenges with a high content of real Mitcham oil. menth. pip.

Similarly Galen Cinnamon Lozenges rely for their efficacy on the finest oil of cinnamon obtainable.

In pastilles there is "Sister's Throat Pastilles," a warming and soothing pastille of the Chlorodyne type.

Galen Products are sold in 6d. tins (Sister's Throat Pastilles 6d. and 1/-), and are obtainable through wholesalers only.



This
Striking
Showcard
with
every
order.

G.P.2

Write for Samples and
Trade Prices to—

GALEN PRODUCTS CO., LTD.
STOCKPORT.

(Phone : 3614)

Awarded Certificate by
The Institute of Hygiene
for Purity—Quality—Merit

"Gladio"^{Regd}

MEDICATED TOILET ROLL

Costs 4^d



BRITISH
MADE

Sells 8^d

Sales
restricted
to Chemists

You are sure of
repeat orders
by selling

"GLADIO"

Made of the finest
quality Manilla Paper.
Free delivery. Packed in cartons
Free Sample Roll on application

Each Roll 12 oz.

Sole Manufacturers:

J. RUTHERFORD & Co. L^{td}

VICTORIA PAPER MILLS
VICTORIA RD. HOLLOWAY, LONDON, N.7

CONTRACTORS TO H.M. GOVERNMENT

Best sellers

The
public is asking
for **ZEAL**
CLINICAL
THERMOMETERS
because they are:-
GUARANTEED TO
STAY ACCURATE
CONSISTENTLY
ADVERTISED

Made by

ZEAL

—the name the
public knows.

G. H. ZEAL, LTD.,
75 & 77, St. John St., London, E.C.1.



RACIAL (REGD.) SOLUBLES

As used at the Clinic for Constructive Birth
Control (founded by Dr. MARIE STOPES)

These Solubles, the result of careful investigation,
have now been made obtainable by the C.B.C. Society's
Committee and the Trade can obtain them direct from

The C.B.C. CLINIC

108 Whitfield Street, LONDON, W.1

Supplied in not less than complete dozen lots at 10/6,
post paid, cash with order. Show card free.
Retail price 1/3.

These pessaries contain no quinine or deleterious
matter of any kind.

Only fully qualified Chemists supplied.

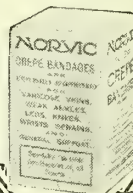
DISPLAY

NORVIC
BLUE CARTON
CRÊPE BANDAGES

Full 33 $\frac{1}{3}$ % profit
P.A.T.A.

A small display of this well-
known and highly recom-
mended line brings profit-
able results.

Attractive showcards from
leading wholesalers.



Nationally Advertised

backed
by a name
famous for
QUALITY.....

DUNLOP

HOT WATER BOTTLE

(U.K. PATENT NO. 932653)

HIGH PRESSURE MOULDED WITH FABRIC INSERTION

Built on the same principle as the toughest motor tyres, the Dunlop Hot Water Bottle can truly be described as the strongest, safest and most reliable bottle in existence.

In its novel and sales-compelling container, and selling at a price which attracts your best customers, it offers a unique proposition to every chemist catering for a high class trade.

Obtainable from your usual Factor.

MACINLOP LIMITED. Head Office: CAMBRIDGE STREET, MANCHESTER.

Branches at: London, Glasgow, Birmingham, Cardiff, Liverpool, Leeds, Newcastle, Nottingham, Southampton, Dublin, Belfast, Cork.



Section of Dunlop Hot Water Bottle showing special fabric insertion.

High pressure moulded construction, ensuring maximum safety and durability.

Fixed Retail
Selling Price:

5/11



C.F.H. 768

Goodall's

can meet your needs
PROFITABLY
throughout the year

FOR a very long time now, we have been building up a series of specialities and packed goods intended to make money for our customers throughout the year. No season now need be slack or neglected; all the time now is a time when by selling our products you can make rather more than you require to cover even to-day's enormous expenses.

We know the difficulties and we are applying ourselves vigorously to meet them. We offer you a set of packs, of labels—own name and otherwise—and of advertising material to enable you to make always a very colourful and effective display.

For all seasons, we have exactly the right things, and we especially draw your attention to the following—

Malt and Oil (Splendid choice of OWN-NAME labels) **Olive Oil** (OWN-NAME)

"Velva" Series of Packed Goods (Handsome Script labels)

KV-BIST Beauty Creations

Goodall's Fruit Squashes

Goodall's Ginger Wine

Cod Liver Oil and Cod Liver Oil Emulsion

Goodall's All-Purpose Fertilizer

Goodall's Weedkiller

Waterglass (OWN-NAME or Special pharmacists' packs)

**Whatever you need—
let GOODALL'S quote**

GOODALL, BACKHOUSE & CO., LEEDS.

MONSANTO

BRITISH MADE
CHEMICALS
OF
QUALITY

MONSANTO CHEMICALS are specified by
discriminating Buyers because -

THEY are sold with our unconditional
guarantee of Purity

THEY are the result of over sixty years
accumulated experience

THEY are always uniform and dependable

THEY are backed by incomparable service

THEY are manufactured by British labour
at our Works, Ruislip and Sunderland

SOLE
AGENTS
FOR THE
UNITED KINGDOM
AND THE
IRISH FREE STATE
THE
MILNER
CHEMICAL CO. LTD.
10, ABchurch Lane,
LONDON, E.C. 4

GRAESSER MONSANTO
CHEMICAL WORKS LTD
VICTORIA STATION HOUSE,
VICTORIA STREET, LONDON, E.C. 6

ASSOCIATED WORKS,
101, GUYSON
ST. LOUIS,
U.S.A.

Modern

The ROYAL
TOILET
range of
Toilet
Requisites

SHOW
100%
PROFIT ON COST

Every sale for one preparation in the series is the finest possible advertisement for the remainder.

The Royal Toilet series is up to date in every particular. Easily shown, they make an impressive and dignified display.

Available in the series are _____

- | | |
|--------------------------------|-------------------------|
| * Royal Bay Rum | Royal Hair Cream |
| * Royal Bay Rum & Cantharides | Royal Hair Tonic |
| * Royal Brilliantine | * Royal Honey & Flowers |
| * Royal Brilliantine Odourless | Royal Honey & Almonds |
| Royal Complexion Milk | Royal Shampoo Foam |
| Royal Face Powder (Liquid) | * Royal Toilet Paraffin |
| | * Royal Violet Oil |

Sell Royal and maintain Prices

4 oz. Retail 1/3

7/6 doz. 6 doz. at 7 -

*** 2 oz. 6 - doz.**

ARTHUR H. COX & CO. LTD BRIGHTON

THE CHEMIST AND DRUGGIST

28 ESSEX ST.
LONDON, W.C.2

SUPPLEMENT

DECEMBER 5, 1931

This Supplement is inserted in every copy of The Chemist & Druggist.

THE CHEMIST AND DRUGGIST SUPPLEMENT

ADVERTISEMENT TARIFF

ALL ADVERTISEMENTS are PREPAID, so that remittance must accompany instructions in each case. If it be necessary to telephone or telegraph an urgent announcement this may be done, provided the money is telegraphed at the same time.

BUSINESSES WANTED and for **DISPOSAL**, **PREMISES TO LET**, **PREMISES WANTED**, **PARTNERSHIPS**, **GOODS FOR SALE** and **AGENCIES**—6/- for 50 words; every additional 10 words or less, 6d. (Box No., 1/- extra.)
SITUATIONS OPEN—6/- for 40 words; every additional 10 words or less, 6d. (Box No., 1/- extra.)
SITUATIONS WANTED—2/- for 18 words; every additional 10 words or less, 6d. (Box No., 1/- extra.)
LEGAL NOTICES, TENDERS, AUCTIONS, and all specially-spaced announcements, 1/3 per nonpareil line (12 lines = 1 inch single column). (Box No., 1/- extra.)
MISCELLANEOUS (Wholesalers' Section) for odd and second-hand lots—10/- for 60 words; 1/- for every additional 10 words or less. (Box No., 1/- extra.)
EXCHANGE COLUMN (for Retailers, etc.)—Twopenny per word, minimum 2/- (Box No., 1/- extra.)

THE CHEMIST & DRUGGIST, 28 Essex St., Strand, London, W.C.2

Telephone: Central 6565 (8 lines). Telegrams: "Chemicus, Estrand, London."

CLOSING FOR PRESS.

MUST REACH US
NOT LATER THAN

ALL ADVERTISEMENTS INTENDED FOR
INSERTION IN THIS SUPPLEMENT
FIRST POST THURSDAY MORNING.

ORRIDGE & CO.

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ESTABLISHED 1846

Telephone No.: CITY 2283

May be consulted at their Offices on matters of Sale, Purchase & Valuation

1.—**PURLEY (Near).**—Good-class Retail and Dispensing Business, with Kodak Agency and small Panel; returns about £1,500 per annum at very good prices; scope for increase under more energetic management; double-fronted shop, very well fitted and stocked; ample living accommodation; new lease; price to be arranged. This business is known to us and we can recommend it as being thoroughly bona-fide.

2.—**LONDON, W.**—Good-class Family Retail and Dispensing Business; returns last year approached £2,300, with gross profit about one-third; stock worth £550 and fixtures £250; 26 years' lease; early closing day, Saturday; price £1,150, or reasonable offer.

3.—**EAST LONDON.**—General Retail Business with N.H.I. and Photographic; established many years; returns, under management, exceed £3,000 per annum; if run by owner the net profit would exceed £800 per annum; double-fronted corner shop, well fitted and amply stocked; rent £80; long lease; valuation terms entertained.

4.—**METROLAND.**—Family Retail and Dispensing Business, with Kodak Agency; returns last year £1,860, with net profit £450; double-fronted shop; vendor estimates stock to be worth £400; five-roomed house, with bathroom; rent £100 per annum; long lease; price asked £1,150. No doubt our client would accept valuation of stock and fixtures, plus an agreed sum for goodwill.

5.—**MIDDLESEX (Good-class Suburb).**—Cash Retail Business, situate in commanding position; returns, under management, £35 per week; double-fronted shop, handsomely fitted and very well stocked; net rent £125 per annum, inclusive; price, valuation of stock and fixtures only.

6.—**SURREY (Few Miles Out).**—Middle-class Retail Business, situate in centre of new L.C.C. estate (10,000 houses); recently established; Kodak Agency; returns £26 per week; N.H.I. scripts last month 320; double-fronted shop, fitted in oak; good working stock; new lease; ample living accommodation; vendor will sell at cost; domestic reasons for sale.

7.—**HACKNEY.**—General Retail and Dispensing Business, with N.H.I. and Kodak Agency; established 1864; returns, present rate, £30 per week at usual prices; single-fronted shop, situate in main road; estimated value of stock and fixtures £775; living accommodation; rent £90; lease has about 10 years unexpired; first reasonable offer obtains.

8.—**WELSH INLAND HEALTH RESORT.**—Good-class Retail and Dispensing Business for Sale on account of the death of the owner; returns last year £3,439; double-fronted shop in main street; living accommodation; stock and fixtures worth approximately £2,500; price to be arranged; the freehold property is also for disposal; further details on application.

9.—**NORTH DEVON.**—Light Family Retail and Prescribing Business, with N.H.I. Dispensing; established 1923; returns for last financial year £2,250; usual prices; double-fronted shop, situate in main shopping centre; estimated value of stock and fixtures £1,000; living accommodation; vendor's own property and wish to sell same; price of business £500 for goodwill, plus stock and fixtures at valuation.

10.—**NORTHAMPTON.**—General Retail Business, with Kodak Agency and N.H.I.; returns last year £1,530, plus Photographic with averages about £100 per annum; double-fronted shop; eight-roomed house; rent £60; stock £300; price £750, or offer.

11.—**WORTHING (Near).**—Medium-class General Retail Business, with N.H.I. and Photographic; returns last year £1,613, increasing; vendor estimates the stock and fixtures to be worth £720; good living accommodation; private entrance and small garden; rent £35 per annum; held on lease; price £1,100; good reason for sale.

12.—**MONMOUTHSHIRE.**—General Retail and Dispensing Business, with Kodak Agency; returns, present rate, between £90 and £100 weekly; gross profit 32 per cent.; stock estimated to be worth £2,500; extensive premises; held on lease; price for quick sale £2,500.

13.—**BRIGHTON.**—General Retail Business; no Photographic work done there at present; good scope for same; returns exceed £1,800 per annum; double-fronted shop, well fitted and heavily stocked; rent £160; long lease; price £950 all at, or valuation of stock; fixtures only; no reasonable offer refused.

14.—**WINCHESTER.**—General Retail and Dispensing Business, with Kodak Agency and small Optical connection; returns last year £2,560; gross profit 40 per cent. double-fronted shop; living accommodation; reasonable rental; long lease; terms, valuation of stock and fixtures, plus £500 for goodwill; Optical stock need not be taken over unless required.

Chemists' Transfers, Valuations for Sale, Stocktaking & Probate

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(One minute from St. Pancras and King's Cross Stations.)

1.—SOUTH COAST.—Medium-class Business, easily worked, showing steady increase; returns £1,600; net profits £490; low rent; house attached; price £1,100.

2.—CHESHIRE.—Light Cash Retail, in central position of large town; returns under manager £1,200; scope for increase; large shop, well stocked; price £500.

3.—KENT (Death Vacancy).—Sound Light Retail, in excellent position of important town; returns over £2,000; stock and fixtures worth £1,100 to £1,200; price £1,500 and £2,000 for freehold.

4.—SOUTHAMPTON (Near).—Good-class Business showing steady increase; returns approach £1,800; modern pharmacy, in good position, well fitted and stocked; long lease; price £1,200.

5.—DEVON COAST (Death Vacancy).—Neglected Business in small seaside resort; returns about £1,250; plenty of scope; modern premises; splendid garden, etc.; price £850.

6.—HERTS (Few Miles Out).—Light Family Retail, with Kodak Agency; returns over £1,500; net profit about £450; good stock; price £850; recommended.

7.—LONDON.—Good-class Store and Dispensing Business in busy main road; returns exceed £5,000; net profit £1,000; books audited; price £4,000; bankers' reference required.

8.—LONDON (Essex Suburb).—Light Suburban Retail, returning over £2,200; net profit £585; main road position; fully stocked; price £1,750, or valuation terms arranged.

9.—SOUTH LONDON.—Old-established Light Retail in main road position; present returns about £1,000; plenty of scope; low rent; price £150, plus valuation; all over £500 can remain.

10.—LONDON, N.W.—Profitable Cash Retail; main road position; returns average nearly £2,200, audited figures; corner shop; long lease; moderate rent; price £1,500 for early sale.

11.—WEST KENSINGTON.—Optical Business, in main road position, making a net profit of £250; well arranged premises; long lease; price £275 all at; excellent chance.

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BUSINESSES FOR DISPOSAL.

1.—LONDON, S.E.—Acid, Drug and Chemical Business for quick disposal. Premises held on weekly tenancy at 14s. per week, returns average £25 per week. Stock and fixtures estimated at £500. Offers invited.

2.—DEATH VACANCY.—DEVON.—Cash retail dispensing business recently opened. Reasonable lease will be granted or freehold may be acquired. Returns between £1,500 and £2,000, all cash. Good living accommodation. Applications for further particulars invited.

3.—BRIGHTON.—Very old established business situate in busy thoroughfare; rent £150 p.a. Premises consist of large shop, good windows, and showrooms. Could be let off at £80 to £100 p.a. Returns £30 to £40 per week, mainly cash. Scope for improvement. Further particulars on application.

Stocktaking Valuations: We undertake this work at special rates and invite early applications.

ERNEST J. GEORGE, CHEMISTS' VALUER AND TRANSFER AGENT

Tel.: Earnest, Walsall.

TUDOR HOUSE, WALSALL.

'Phone: Walsall 3774

Quotations for Stocktaking or for Pricing Chemists' Own Stock Records Supplied on Application
Correspondence is invited from prospective purchasers relative to the following businesses for disposal:—

(C1) SOUTHERN COUNTY (CATHEDRAL CITY).—Old-established high-class family and dispensing business; returns for last financial year upwards of £2,550; net profits, £550-£600; excellent living accommodation; long lease at moderate rental; pharmacy well stocked and beautifully fitted; purchase price to comprise one year's net profits for goodwill, plus value of stock and fixtures; sound, genuine business. (Personally visited and recommended.)

(C2) LONDON, EAST.—Established retail and dispensing business, with good living accommodation; turnover approximately £2,300 per annum; net profits, £600; rent, £120; lease to suit purchaser. (Visited and recommended.)

(C3) MIDLAND CITY.—Pharmacy well situated in middle-class residential area; net profits (certified) approximately £500 per annum; returns upwards of £45 weekly; good living accommodation. (Visited and recommended.)

(C4) BRIGHTON.—Old-established business situated in busy shopping district; average turnover for last three years approximately £1,800 per annum; rent, £150 on long lease; excellent scope for increase; no near opposition; accountant's figures available; good reasons for disposing; for a quick sale owner will accept value of stock and fixtures. (Visited and recommended.)

(C5) BRIGHTON (NEAR).—Pharmacy, exceedingly well situated, and possessing exceptionally good potentialities; present returns (increasing) approximately £30 weekly; good living accommodation. (Visited and recommended.)

(C6) £400 OR OFFER (MERSEYSIDE, NEAR).—Owing to acute health trouble, the proprietor of a sound, genuine business, well situated in a good class residential district, as above, is prepared, for a quick sale, to sell at a figure representing less than the value of stock and fixtures; accountant's figures are available to support returns, which are at present approximately £20 weekly, with good scope for increase; certified net profits for last financial year £204; exceptional opportunity. (Visited and recommended.)

(C7) LONDON, EAST.—Retail and dispensing business well situated in busy main thoroughfare; returns (certified) upwards of £2,300 per annum; net profits £570-£600; N.H.I. (approximately 1,000 scripts monthly); good living accommodation; low rental; good lease; chartered accountant's figures available for inspection by genuinely interested prospective purchasers; thoroughly sound proposition. (Visited and recommended.)

(C8) STAFFS.—Old-established business, unopposed; turnover upwards of £40 weekly, and increasing; good living accommodation with lawn, greenhouse, etc.; rent, £70; also small branch run as Drug Store, which could be acquired separately if desired, the inclusive rental of which is £30 per annum.

(C9) SOUTH WALES — MARKET TOWN.—Good-class business showing increasing returns; turnover for last financial year approximately £1,700; net profits, £480; modern house with all conveniences; rent, £40 per annum; lease 20 years unexpired; no opposition of note; purchase price, goodwill £250, stock and fixtures at valuation; genuine proposition, well capable of every investigation. (Visited and recommended.)

(C10) LONDON, N.W.—Established retail business showing average returns of approximately £2,200 per annum; long lease at modest rental; purchase price approximately £1,650. (Visited and recommended.)

(C11) LONDON, S.W.—Retail business with good living accommodation; returns for 1930-31 (increasing) £1,220; no near opposition; rent, £100; long lease. (Visited and recommended.)

(C12) DERBYSHIRE (SMALL TOWN).—Good profit earning business, at present being carried on as Drug Store; could be increased under qualified management, or continued very profitably on same lines; present returns approximately £25 weekly; excellent living accommodation available; as regards purchase price owner would consider accepting part down and the balance by instalments. (Visited and recommended.)

(C13) ESSEX COAST.—Excellent profit earning business, with good living accommodation; turnover for last financial year £1,300; net profits, £320; could be increased; further particulars to bona fide prospective purchasers.

(C14) BIRMINGHAM.—Sound, genuine business, ideally suited to single man; main road situation; present net profits approximately £275 per annum, with good scope for increase; pharmacy well stocked and fitted; purchase price for quick sale £775. (Visited and recommended.)

(C15) NOTTINGHAM.—Good family business, well situated in middle-class residential district; corner shop with excellent living accommodation; owner having entered the wholesale trade, is open to consider reasonable offers; present turnover approximately £20 weekly, with good scope for increase; exceptional opportunity.

(C16) SOUTH-EAST COAST.—High-class pharmacy doing £35-£40 weekly; good living accommodation; long lease at moderate rental; audited accounts available. (Visited and recommended.)

S. F. CLARK, F.N.A.A.
CHEMISTS' VALUER AND TRANSFER AGENT
 34 Marksbury Avenue, Richmond, Surrey.
 VALUATIONS for sale, purchase, probate and Income Tax purposes, personally conducted in any part of the British Isles.
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BUSINESSES FOR DISPOSAL.

CLEVELEYS, NEAR BLACKPOOL.

SPLENDID Chemist's, situated best trading position in this rapidly growing resort; improving trade; average over £40 weekly (films 3,000 spools per annum); these takings should be easily doubled by anyone introducing Optical Department specialising in Photographers' Sundries and selling their own Packed Specialities at competitive prices, etc.; with or without living accommodation; easy rent; price £1,450.

PACKERS', 174 PROMENADE, BLACKPOOL.

BIRKENHEAD.—Double-fronted Shop; Kodak Agency; main road; well fitted; full particulars on request; a bargain at £500. 90/31, Office of this Paper.

BOURNEMOUTH AND LONDON.—The former, situated in nice locality, near sea, lock-up, low rent, well fitted and stocked, £500; Lohdon, S.E.: handsomely fitted, exceptionally well stocked, excellent house, low rental, good locality, Optics, Dispensing, very profitable, £1,500; both long leases. Offers entertained for either or both. "Bargains," 90/19, Office of this Paper.

BOURNEMOUTH.—Owing to breakdown in health, pleasant Pharmacy and House for Disposal; every opportunity for growth; nice neighbourhood; good income and under ideal conditions; Kodak, etc.; returns approach £1,500; will sell for practically stock and fixtures. 91/2, Office of this Paper.

BRIGHTON.—Pharmacy; general cash trade; main street; good Photographic; well stocked; low rent; no rates; turnover £1,250 per annum; capable of increase; up-to-date light oak fittings, including dispensing department and office; good reason for selling; genuine opportunity; can be purchased for price of stock. 90/18, Office of this Paper.

DOVER.—Modern Pharmacy, occupying commanding position amidst leading business houses and in main shopping thoroughfare. There is well-established Optical connection. Both this and Retail capable of big increase owing to advantageous position. Beautifully-fitted, double-fronted, spacious shop; established two years; first year's returns approx. £2,000, and increasing; excellent house; valuation terms entertained, or cash, about £2,000. "E.", 90/23, Office of this Paper.

EAST LONDON.—£10-£15 a week; 300 N.H.I. a month; main road; good fittings, good stock; splendid scope for Optics; good Counter Prescribing; takings can be trebled; rent £60; rates extremely low; surgeries near; excellent reasons for selling immediately; low price for quick sale. Further particulars, 91/23, Office of this Paper.

ESSEX (Main Thoroughfare, within easy reach of the City).—General Retail and Dispensing Business, with large Panel; long lease at moderate rental; returns £2,500; excellent living accommodation and garden; price £1,700, or near offer; no agents. 91/28, Office of this Paper.

LONDON, S.W.—First-class Cash Retail and Dispensing Business, with large turnover, and producing a clear net income of £1,000 yearly; audited books; splendid main road position; same hands many years; applicants with about £4,000 can have further details; banker's reference necessary. 195/904, Office of this Paper.

NORTH LONDON (Main Shopping Road).—Dispensing and Photographic; long lease; low expenses; good living accommodation; large N.H.I.; stock and fittings worth about £550; price £750 all at, or valuation terms entertained. Preston & Partners, Valuers, 29 Ludgate Hill, E.C.

NORTH LONDON Pharmacy; established 16 years; under management and neglected state for 10 years has averaged over £2,000 annually; energetic Chemist could double present takings; Kodak Agency; stock and fixtures at valuation; valuable lease, which leaves shop part free of rent, rates; for quick sale, a bargain, £800. 90/39, Office of this Paper.

JOHN BRIERLEY, F.N.A.A.

CHEMISTS' VALUER AND TRANSFER AGENT

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Expert Service, Quick Results.

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SOUTHERN COUNTY.—Good-class Business for Disposal; turnover about £1,500 per annum at usual prices; scope for increase; double-fronted shop, well fitted and stocked; comfortable house; 21 years' lease; open to offer; would consider part-payment. Apply "Genuine," 195/906, Office of this Paper.

SUSSEX COAST.—Business, easily worked single-handed; mostly counter trade; steadily increasing; net profit £450; rent, on lease, £35; stock and fixtures £700; good living accommodation; near sea; owner, having larger business in view, open to reasonable offer. Full particulars to cash buyers. 74/17, Office of this Paper.

WEST RIDING Village; population 3,150; nearest opposition four miles away; vendor established 12 years; new fittings (Evans); full Wine Licence; returns £1,100; N.H.I. 350 monthly, certified; big profits; house, every convenience, three bedrooms; rent 25s. weekly; lease; opening for Optics; £800, or goodwill and fixtures £350, and stock at valuation; exceptional opportunity. Marsden, Valuer, 29 Oakwell Crescent, Leeds. 'Phone: 62390.

WYE VALLEY.—For Sale, owing to death of proprietor, a good-class Retail Business, with Kodak Agency, Agricultural, etc., etc.; returns for the last five years have been very steady at about £3,500 per annum; heavy stock; good fixtures and splendid house. For all further details apply to Exors., c/o 195/905, Office of this Paper.

YORKSHIRE (Large Industrial Town).—Retail, Dispensing, Photographic; double-fronted shop; good living accommodation; lease, renewable; low expenses; profit £480 last year, accountant's figures; sound business, with scope for increase; price £950, or offer, including stock and fixtures, valued at £650. Preston & Partners, 29 Ludgate Hill, E.C.

AN opportunity occurs to acquire a modern, up-to-date Pharmacy in residential district about 8 miles north of London; a new, well-fitted shop, with plenty of room and flat above, on a busy main road, on reasonable lease for 19 years; turnover was about £33 per week, but has fallen off under management; last week's takings were £26 and some N.H.I.; about £750 required. No agents. 88/32, Office of this Paper.

CHEMIST'S Business; double-fronted shop; busy market position, main road, Birmingham; taking £25 to £26 weekly; audited accounts; £400 stock guaranteed; well fitted; electricity; with living accommodation; lease; £785 everything. (Ref. C/C/Z.) Business Services, over Rackham's, 5a Temple Row, Birmingham.

ILLNESS COMPELS EARLY DISPOSAL.—Main road Pharmacy, West London, excellently fitted and stocked, and doing now approximately £35 per week at good profit; favourable lease; genuine buyers with cash only need inquire; arrangements to pay £600 down and remainder to suit convenience will be considered. Apply 195/910, Office of this Paper.

LIGHT Suburban Cash Business (few miles from London); smart frontage; lock-up shop; easily run; N.H.I., Kodak Agency; returns between £15 and £20 per week (increasing) at good prices; plenty of scope for further increase; well fitted and ample stock (none old); rent £19 10s. per quarter; rates £16 per year; long lease on favourable terms; stock, fixtures and fittings over £300; good reason for disposal; price £400. 90/27, Office of this Paper.

RETURNS £1,600.—Old-established Country Retail, Midlands, with good house and premises, capable of considerable increase and open to any investigation; for Sale solely through family reasons; price £750. Premises can be purchased, or would Let on Lease at fair rent. Only applications with references will be replied to. "Midlands," 90/40, Office of this Paper.

£100 OR OFFER.—Small Chemist's Business in populous South London neighbourhood; main road; takings £15 week; rent £53 year on monthly arrangement; rates £21 year; with or without stock. 89/15, Office of this Paper.

£200.—Chemist's Shop, fitted and stocked, lock-up, in shop and room only; returns at present low, but would increase under active management. 89/38, Office of this Paper.

BUSINESSES WANTED.

LONDON OR HOME COUNTIES.—Sound Retail Business required; turnover £3,000/£5,000 per annum; scope for Optics an advantage; living accommodation optional; immediate cash transaction for suitable proposition. Particulars treated in strict confidence. 195/909, Office of this Paper.

YOUNG couple, both qualified, and used to large businesses, husband last 10 years in £10,000 per annum business, some capital available, desire to purchase brisk Business with scope for development, with living accommodation preferred, but not essential, preferably where present owner desirous of retiring; balance to be paid off by mutual arrangement; neglected business willingly tackled; no "duds" considered. 89/31, Office of this Paper.

APPOINTMENTS.**EAST SUSSEX PUBLIC ASSISTANCE COMMITTEE.**

APPPLICATIONS are invited for the appointment of **FEMALE DISPENSER CLERK** at **SHOREHAM INFIRMARY** (near Brighton). Applicants must hold the M.P.S. (Minor) or corresponding qualification. Preference will be given to those with knowledge of Shorthand and Typewriting. The post is whole time and non-resident. Salary £3 3s. per week, subject to temporary reduction of 2½ per cent. in accordance with the scale adopted by the County Council to meet national emergency. The successful candidate must be medically examined by the Medical Officer before appointment. Applications, stating age, particulars of training, qualifications, and practical experience, should be sent to the Medical Officer, Shoreham Infirmary, Shoreham-by-Sea, Sussex, accompanied by copies of three recent testimonials, to arrive by Saturday, 12th December.

H. J. T. McILVEEN,
Clerk of the County Council.

PREMISES FOR SALE.

GOOD House and Shop in progressive Midland town; population 4,000; excellent opportunity for opening Chemist's business; no qualified chemist in the town. For further particulars write Prentice & Prentice, County Chambers, 1 The Drapery, Northampton.

PREMISES TO LET.

BOND STREET (few yards).—Lock-up Shop; newly-built block; commencing rental £100 per annum; no opposition. Apply Ernest Yates, Ltd., 34 Brook Street, W.1. Tel.: Mayfair 5106.

EXCELLENT ground floor Shop and Basement, corner Great Queen Street and Kingsway; central heating; modern building; recommended for Chemist; reasonable rent. Apply 79 Great Queen Street, W.C.2.

GOOD opportunity for Chemist; to Let; a corner shop, been previously a draper's, now closed; the shop is very well adapted for a Chemist; no opposition; good living accommodation; three bedrooms, etc.; low rent; situated in Tintwistle, near Glossop, Derbyshire. Apply John Daveport, Knowl Street Bakery, Stalybridge. Phone 115.

OPPORTUNITY for Chemists to acquire a prominent and well-positioned Lock-up Shop in good residential district at low rental of £80 per annum; shop front already fitted; wonderful chance for anyone desiring to establish a quickly paying business; very little opposition. Leslie Raymond, F.S.I., F.A.J., Golders Green, N.W.11.

PARTNERSHIPS.

ADVERTISER, who has old-established business and connections with Chemists, desires to join another with similar connections, with object of extension and reducing travelling and overhead charges; has City Office. Write "C. D.", 90/4, Office of this Paper.

QUALIFIED Chemist seeks Partnership in good-class Dispensing business; prepared to invest £300. 90/13, Office of this Paper.

AGENCIES.

AGENTS required to sell on exceptionally liberal commission basis one excellent line; only men whose sales will stand investigation and have a well-established connection amongst Chemists and Stores should apply, giving full particulars, in strict confidence. 90/25, Office of this Paper.

DRUG Travellers calling on Doctors can earn good commission. If interested please communicate with 195/902, Office of this Paper.

WELL-KNOWN, old-established English firm, with offices London, Lancashire and Irish Free State, wish to take up Sole Selling Agency for Fine Chemicals in Great Britain and Ireland; only actual manufacturers need reply. Write 195/903, Office of this Paper.

APPRENTICES.

LONDON, W.2.—Wanted, shortly, a well-educated youth as an Apprentice in a high-class Dispensing business; must be of good address and neat writer. 91/26, Office of this Paper.

WELL-EDUCATED girl, Matriculation, requires Apprenticeship in Birmingham or district. Miss Z. J. Bayliss, Swiss Cottage, Solihull, Warwickshire.

SITUATIONS OPEN.**RETAIL (HOME).**

LIVERPOOL.—Wanted, a qualified male Locum; permanency if suitable; commence after Christmas. Apply, by letter only, giving full particulars. Letters not replied to within five days declined with thanks. 89/18, Office of this Paper.

LONDON, S.E.—Wanted, January, lady Assistant; qualified. Usual particulars, salary, references, etc.; first letter; permanency. 92/10, Office of this Paper.

SOUTH COAST TOWN.—Qualified lady Assistant required for January; accurate Dispenser and experience of good-class Counter trade essential. Please state age, height, experience, salary required, copies of testimonials, and photograph (which will be returned). 88/54, Office of this Paper.

ASSISTANT, with good knowledge of general Retail, Dispensing and Photography; able to take charge. State age, height, full qualification, experience, with photo, and salary required (outdoors). Tyler & Cooper, 7 Bridge Street, Bath.

LOCUM.—Wanted, qualified lady or gentleman for Newcastle-on-Tyne, fortnight, January 4-16 inclusive; brisk N.H.I. and Counter business. Will applicants kindly give fullest details of experience and state salary required (outdoors)? Write 89/3, Office of this Paper.

MANAGER required for new Co-operative Drug and Dispensing Business; must have had previous experience of Buying and Managing. Applications, by letter only, endorsed "Chemist," stating experience, qualifications and salary required, to the Birmingham Co-operative Society, Ltd., High Street, Birmingham.

QUALIFIED, young, smart Assistant, preferably with knowledge of Optics, for good-class pharmacy; accustomed to Counter, Prescribing and Window-dressing; must be capable of taking charge. Apply, with photo, giving usual full particulars, Harry Hill, Chemist-Optician, Monmouth.

QUALIFIED Dispenser (male), aged 22-25. Write, stating full particulars of educational and business experience, height and salary required. Roberts & Co., 76 New Bond Street, W.1.

REQUIRED, energetic, qualified Manager; must be capable business builder; take charge one of a chain of shops affording advantages of combined purchasing, enhanced profits and security; possible promotion later; salary, bonus, dividends; £300-£500 shares. P.C.B. 15/7, Office of this Paper.

WANTED after Christmas, qualified Assistant; age not under 25; must be a reliable Dispenser and good Counterman for Retail and N.H.I. business. State full particulars and salary required (outdoors), also send photo if possible, which will be returned, to J. Reed, 36 Catherine Street, Devonport, Plymouth.

WANTED, London, E.C., experienced, unqualified Assistant; wages £2 10s. weekly; married preferred; no Sunday duty; early closing Thursday; addresses only for references; no photographs. Apply 91/9, Office of this Paper.

WHOLESALE.

MANAGER required for old-established Wholesale and Manufacturing Druggist and Drysalting business in Lancashire; must be a qualified Pharmacist, have previous experience of the trade, and good knowledge of sound business principles; good testimonials essential. Reply, giving full particulars of experience, stating age, and salary required, to 92/9, Office of this Paper.

NEWLY-ESTABLISHED Firm, commencing manufacture of high-class pharmaceutical specialities, require Representative on commission. A very attractive offer will be made to a man with good connection and sales-organising ability. Full particulars to P.C.B. 15/24, Office of this Paper.

OWING to the arrival of Tariffs, Representatives required in all parts British Isles, except Midlands; first-class connection with Chemists, Hairdressers, Beauty Parlours; substantial remuneration by commission only. Reply with full particulars to Terradium Beauty Products, 6 Livery Street, Birmingham.

REPRESENTATIVE, young, to call upon Hospitals and Nursing Homes; preferably M.P.S. who has had Hospital experience. State age and give full particulars. 194,890, Office of this Paper.

REPRESENTATIVE required, liberal commission, good connections with Babies' Food Specialists, for high-class product. Full particulars of experience, age and references wanted. P.C.B. 15/25, Office of this Paper.

REPRESENTATIVES required to carry high-class range of Hair and Toilet Preparations, Soaps, etc., in the Midlands and Eastern Counties; must have actual connection on these areas, be local residents, and possess own car; those carrying non-competitive lines calling upon Chemists, Hairdressers and Stores not objected to. 87/31, Office of this Paper.

REPRESENTATIVES wanted for our well-known Health Salts and Tablet lines in the following districts: North and South Wales, Midlands, Eastern Counties, Notts and Derby; liberal commission basis; good selling record and established connection essential. Harrogate Tablet Co., Ltd., Harrogate.

REPRESENTATIVES required, with established connection, to introduce new Shampoo Product which will be extensively advertised to the public; territories vacant, Scotland, Lancashire, Midlands, South and West of England; salary and commission. Reply P.C.B. 15/5, Office of this Paper.

REPRESENTATIVES required for Scotland, North of England, Midlands, South of England, North and South Wales to carry Surgical Dressings for British manufacturer on commission basis; call on Wholesalers and/or Hospitals. Full particulars to 89/12, Office of this Paper.

SENIOR Clerk required in office of Wholesale Chemists and Druggists; experienced correspondent and capable of controlling clerical staff. Full details of previous experience, age, with photo if possible, to 195/911, Office of this Paper.

UNITED CHEMISTS ASSOCIATION, LTD., have a vacancy upon their Representative staff, and invite applications from gentlemen with first-class sales record and unimpeachable testimonials; Chemist preferred. Full particulars, stating age, experience (in detail), salary required, in first letter, to Harold Miller, Managing Director, Ucal Works, Cheltenham.

WANTED, Traveller for famous Proprietary Article; London only; salary and expenses; extensive personal connection with London Retail Chemists essential; first-rate references required. Write fully, stating terms, to Box 8309, c/o F. Wilson, Advertising Agent, 101 Hatton Garden, E.C.1.

YOUNG Unqualified Man, not over 30, required for Drug Manufacturing Laboratory in N. London; must have good experience in Galenic manufacture. Apply 195/907, Office of this Paper, stating wages.

YOUNG Unqualified Man, 21 years of age or under, required to assist in laboratories and works of Manufacturing Chemists and Druggists in N.W. London; good education preferably Matriculation standard and regular apprenticeship in Pharmacy essential. Apply 195/908, Office of this Paper, stating salary desired, age, etc.

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EAST AFRICA.—Howse & McGeorge, Ltd., require the services of a qualified male Assistant, single, under 30, with good all-round experience and knowledge of Photography; 4 years' agreement; second class passage paid; salary £360, £360, £390, £420 for first, second, third and fourth years respectively, apply, with photograph and full particulars, to "Zebra," 4 Fenchurch Street, E.C.3.

EAST.—Manager wanted for Drug and Chemical Department in large Store in the East; 4 years' agreement; salary 600 rupees per month and yearly increases; must be qualified and with Optical experience, preferably also qualified. Address in first instance, stating full particulars, previous experience, whether married or single, etc., to "Druggist," c/o Deacon's Advertising Offices, Fenchurch Avenue, E.C.5.

EGYPT.—Correspondence invited from gentleman shortly proceeding to Egypt, visiting Hospitals, Doctors and Chemists; opening occurs for part representation; knowledge of French essential. State age, qualifications, references, etc., to "A. W.," 194,895, Office of this Paper.

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SITUATIONS WANTED.

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A.A.A.A.A.—HIGHLY recommended Pharmacist, 30, desires position in or near London; excellent references; disengaged. Phillips, "Clandebye," Acacia Road, Acton, W.3.

A.A.A.A.—M.P.S., 25, desires berth as Manager or Assistant; 6 years' London and provincial experience; excellent references; disengaged after Christmas. Harris, 79 Sellon's Avenue, N.W.10.

A.A.A.A.—ASSISTANT; 40; unqualified; 5 ft. 8 in.; thoroughly experienced; abstainer; permanency preferred; disengaged. Alexander, 189 Southampton Street, S.E.5.

A.A.A.—QUALIFIED, 23, desires engagement; 8 years' splendid all-round experience; keen; reliable; able to manage; well recommended. "M.P.S.," 35 Dulverton Road, Leicester.

A.A.A.—DESIRES change; unqualified; 28; 10 years' excellent experience, London; at present in West End; arrange interview; moderate salary; start immediately. 91/58, Office of this Paper.

A.A.—QUALIFIED; 27; 10 years' experience; Prescriber, Dispenser, Salesman, Window-dresser. "J. W.," 28 Willoughby Road, Acton Vale, W.3.

A.A.—ASSISTANT; unqualified; abstainer; thoroughly experienced; competent Dispenser, Prescriber, Counter-man; Photographics; capable taking charge; disengaged. Lewis, 23 Duke Street, W.1.

A.—QUALIFIED; 24; Assistantship; temporary or permanent; keen, active, willing; moderate salary; highest references. Leigh, 27 Highbury Grove, N.5.

A.—QUALIFIED; 22; single; 5 years' experience high- and middle-class pharmacy; competent, experienced, and methodical; sound references; free December 15. "K.," c/o Bruce, Chemist, Oxford.

A.—SQUARE-TRAINED Chemist, 24, desires position as Manager or Assistant; Partnership entertained; all-round experience; Public School education. P.C.B. 15/17, Office of this Paper.

A.—QUALIFIED; 28; good appearance and address; 12 years all branches; 4 years managing; quick and accurate Dispenser, Window-dresser, Photographics, keen Salesman; hard worker; moderate salary; London or near preferred. "G.," 121 Trinity Road, Upper Tooting, S.W.17.

A QUALIFIED Manager, married, desires more progressive post after 4 years' managership in country town; several years' excellent London managerial experience. "Chemist," 15 Courtenay Street, Newton Abbot, Devon.

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A LOCUM; long or short period; qualified; long experience in all branches; active; excellent references; terms moderate. "S. C. J.," 54 Priory Road, West Hampstead, N.W.6. Phone: Maida Vale 8212.

A RELIABLE, unqualified Assistant, experienced and dependable worker, excellent references, 8 years with present employer, seeks permanent or temporary position; available any time. March, 69 Summerhouse Avenue, Heston.

A QUALIFIED Assistant; 24; tall; good appearance; well recommended; 7 years' experience; disengaged. Wiseman, 28a Seaside, Eastbourne.

A QUALIFIED Chemist desires position, preferably country town, view early Working Partnership or ultimate succession; reasonable salary; disengaged. 90/35, Office of this Paper.

A CTIVE, unqualified, disengaged, age 35, married, desires permanency; 12 years' London experience. "Assistant," 35 Dupont Road, West Wimbledon.

A MBITIOUS young Assistant (Part I) desires situation; tall and smart in appearance; first-class Counter and Dispensing experience; West Country preferred. "D.," 67 Ashley Hill, Bristol.

A S Locum or general help; over 30 years' experience; heavy Panel, Counter, Books, Buyer, Salesman, Prescriber; neat, clean and quick worker. "G.," 130 Scott-Ellis Gardens, N.W.8.

A S general (lady); Counter, Toilet, Stock; good references. "F. W.," 53 Chichester Road, Kilburn, N.W.6.

A SSISTANT; unqualified; 22; honest; trustworthy; West-End, seaside and City experience; accurate Dispenser; N.H.I.; good Window-dresser, smart Salesman; Photographic knowledge. "C.," 44 Turneville Road, W.14.

A SSISTANT, qualified, 23, first-class West-End and provincial experience in all branches, seeks situation in London or provinces. James, 25 Aberdeen Park, N.5.

A SSISTANT, 22, unqualified, desires post in London or Eastern Counties; 6 years' good all-round experience; disengaged shortly. H. Gooch, 67 Station Street, Walton-on-Naze.

A SSISTANT (referred Pharmacy) desires situation; good experience; excellent references. D. S. Evans, 359 Clapham Road, London, S.W.9.

A SSISTANT, tall, 24, experienced, requires permanency; town preferred; salary 42s.; references given. 88/40, Office of this Paper.

A SSISTANT; unqualified; 40; married; 24 years' London experience; all-round knowledge of the Retail business; 84 years last position. Portnell, 56 Atherfold Road, Stockwell, S.W.9.

A SSISTANT (Junior), 21, seeks situation; 6 years' experience, good-class Dispensing and Counter; temporary or permanent; low salary. Cooper, Telephone Bungalow, Fordcombe, Tunbridge Wells.

A SSISTANT, 26, qualified, first-class experience in all branches, requires position; London, Home Counties. John, 187 Camden Road, N.W.

C HEMIST, 27, capable and energetic, good all-round London experience, as Manager or Assistant. "C.," 49 Hawley Road, N.W.1.

C HEMIST-OPTICIAN (27), M.P.S., F.B.O.A., J.C.Q.O., requires post as Manager; complete outfit for Optical department; excellent references; disengaged January 1st. "A. R. A.," 14 Ommahey Road, S.E.14.

C HRISTMAS HOLIDAYS.—Part II Student desires work, part or all three weeks, from December 18; Birmingham or Nottingham districts preferred, not essential. Reynolds, 214 Ladywood Road, Edgbaston, Birmingham.

D ISENGAGED.—Unqualified; tall; Scot; 20 years' first-class experience; Dispensing, Counter, Photo; seaside, country, London; business builder; quick, clean, accurate; permanency. Johnstone, 3 Babington Road, Streatham, S.W.16. Phone: 1087.

D ISENGAGED; experienced, unqualified man; Dispenser, Counterman; good references; part-time or full. Overton, 39 Clanricarde Gardens, Bayswater.

E XPERIENCED Assistant Chemist (passed Part I prior to entering Qualifying Examination) requires immediate position; West or North London preferred; excellent references. "L. I.," 184 Whitechapel Road, E.1.

E XPERIENCED Qualified Chemist desires post, Manager or Assistant; Partnership, view to succession, entertained. "Chemist," 21 Church Road, Hanwell.

E XPERIENCED, qualified man (48), single, seeks permanency; competent and reliable; £3 per week (outdoors); now disengaged; any capacity. 91/20, Office of this Paper.

F RANK R. HUGHES, The Pharmacy, Melksham, Wilts., desires engagement in modern, well-organised business; educated Bristol Grammar School; 3 years' first-class Dispensing experience (Bath); Square trained; qualified October, 1931; 22; tall; energetic; interview at own expense; large centre preferred, not essential. Telephone: Melksham 19.

G ENTLEMAN, M.P.S., under 30, recently returned from abroad, requires position as Manager or Senior Assistant in high-class Dispensing or good middle-class business, with prospects of ultimate possession; willing to invest a few hundred pounds. Reply 89/33, Office of this Paper.

G ENTLEMANLY Youth, 19½ (completing apprenticeship December 11th), requires position as Junior Assistant, preferably with facilities to attend evening classes at an approved school; smart, energetic; good Dispenser and Stock-keeper. P. A. Deeks, Bells Lane, Glemsford, Suffolk.

J ANUARY, 1932.—Assistant, unqualified (lady), desires post; well experienced in Dispensing, Counter; industrious and reliable. 90/38, Office of this Paper.

L ADY Dispenser (Hall) requires post, Chemist, Doctor or Hospital; experienced N.H.I., Counter. Hamer, 22 Major Street, Ramsbottom, Lancashire.

L ADY (Hall) requires position as Dispenser or Dispenser-Secretary; experienced Shorthand, Typewriting, Book-keeping. 89/40, Office of this Paper.

L ADY Dispenser desires post (Hall); good, reliable worker; excellent references; Brighton or within riding distance. 8 Prestoville Road, Brighton.

L ADY desires post, London, suburbs or provinces; 11 years' good experience, Dispensing, Counter, etc.; tall; good appearance. "Hews," 91/11, Office of this Paper.

L OCUM or permanency; qualified; young; energetic; experienced all branches of trade; free immediately. Taylor, 20 Cowper Street, Leeds.

L OCUM; full or part-time; excellent references. "S. S.," 135 High Road, Lee, S.E.13.

L OCUM; qualified; any period; registered R.P.U.; excellent references. Lane, 2 Manton Way, Galpin's Road, Thornton Heath.

L OCUM, qualified, 26, desires temporary engagement for about one month from December 12; first-class West-End, coast and provincial experience and sound references; London or Midlands preferred. 90/32, Office of this Paper.

M ANAGER, Assistant or Locum; 34; tall; Dispensing, Counter, Photography; 8 years' managerial experience. 60 Lytton Road, Leytonstone, E.11.

M ANAGER (qualified) or Senior; 29; 5 ft. 10 in.; experienced, London and provinces; any proposition considered; small investment if necessary; district immaterial; highest testimonials; interview appreciated. "Confidential," c/o Cray, 34 Silvester Road, E. Dulwich.

M ANCHESTER DISTRICT.—Young, qualified Pharmacist, experienced all branches, requires post. Ayers, 70 Cowesby Street, Moss Side, Manchester.

M ANAGER or Assistant; best experience; qualified; middle-aged; abstainer; London or 25-miles radius; now disengaged; salary £3. 91/18, Office of this Paper.

M.P.S., tall, young, desires situation; 3 years' experience in high-class University business, also London middle-class trade; salary moderate. "Chemist," 9 Cambridge Street, Edgware Road, W.2.

M.P.S. (Square trained), 24, awaiting result of F.S.M.C. Examination, seeks position with Chemist-Optician; experienced in all branches of pharmacy; salary moderate. Webber, 8 Gladstone Road, Broadstairs.

M.P.S. desires post, Locum, Relief, or Assistant; last situation 9 years; best references. Cunningham, 35 The Chase, Watford, Herts.

M.P.S., conversant in languages, requires position; West experience. P.C.B. 15/21, Office of this Paper.

M.P.S., 27, tall, desires post as Manager or Assistant; 8 years' London and provincial experience; willing to invest £100. Thomas, 63 Grosvenor Road, Aldershot.

M.P.S., 23; Assistant or Manager; capable all branches pharmacy, including Photography; well recommended; will accept moderate salary if prospect of advancement. "Pharmacist," 14 Bexley Mount, Harehills, Leeds.

M R. J. E. BINNS, Chemist, Sowerby Bridge, confidently recommends Mr. A. Gibson, his late apprentice, as qualified Assistant; 4 years' good all-round experience. A. Gibson, 15 Booth House Terrace, Luddendenfoot, Yorks.

N EW ZEALAND.—Ph.C., 25, British qualification, exceptional experience New Zealand, Australia, Continent, London, including West End, requires position; high class; permanency preferred; highest English references. Write "N. Z.," 369 Oxford Street, London.

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PHARMACIST, 25, requires permanency; any district; 7 years' first-class experience all branches (City and seaside); references available; keen, energetic; abstainer; free any time. Jefferson, 84 Clarendon Road, Morecambe.

POSITION as Locum or Assistant required by qualified Chemist; 22; 5 ft. 10 in.; 8 years' good experience in quick and varied Dispensing; Photographic work (dark room); capable window-dresser; highest references; any district; disengaged. Almsley, Highfield House, Ilkley, Preston.

QUALIFIED, 42, as Manager, Assistant or Locum; London district; available immediately if necessary. 89/16, Office of this Paper.

QUALIFIED Assistant; 22; 6 years' experience in high-class Dispensing and Photographic business. R. H. Emslie, Chemist, Frinton-on-Sea.

QUALIFIED, 26 years old, single, waiting result of final F.B.O.A., own Optical Equipment, excellent experience, sires temporary or permanent post. C. G. Dann, 85 Westbourne Terrace, Hyde Park, W.2.

QUALIFIED Assistant requires situation; tactful Salesman, good Dispenser; young; excellent references; disengaged; all-round experience. Massey, Pilsley, Chesterfield.

QUALIFIED Chemist, young, Square trained, good experience, seeks position as Assistant; salary secondary to prospects. M. Kean, 5 Old Park Ridings, N.21.

QUALIFIED, 41, engaged in summer, requires situation until Easter; either part or whole time; highest references. C. M., 45 Orlando Road, Clapham, S.W.2.

QUALIFIED; 41; excellent varied experience; disengaged; permanency preferred; good Dispenser and Photographics; good Window-dresser. 91/7, Office of this Paper.

QUALIFIED Manager or Locum; first-class Dispenser; experienced all branches; free New Year; references. 92/12, Office of this Paper.

RELIABLE, qualified Assistant, 24 (a Scot), seeks Locum or permanency; Great Britain or Continent. Apply 92/11, Office of this Paper.

SCOT (qualified), 23, 5 ft. 10 in., desires situation; 7 years' experience; thoroughly trustworthy and reliable; good appearance; Window-dresser, Photography; excellent references. Chemist, "Hascemere," South Road, Fraserburgh, Aberdeen.

MIR LEONARD ROWLAND, of L. Rowland & Co., Ltd., Wholesale and Retail Chemists, Wrexham, has pleasure recommending the services of Mr. George Ellis, M.P.S., as manager or Assistant; age 28; fully experienced. Ellis, "The Bokerics," Stansty, Wrexham.

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YOUNG lady desires post as Counter Assistant; good all-round experience; no dispensing. "B.", 6 Egbert Road, Winchester.

210 S. WEEKLY, with living accommodation, accepted by elderly qualified Chemist, any capacity, abstainer, active, with long experience and reliable references; disengaged. Wilford Road, Ruddington.

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A—**YOUNG** man, 7½ years' Retail experience, selling and buying, seeks post as Representative to a Wholesale House of repute; Toilet, Perfumery, Sundries or Photographic; keen salesman; willing worker; possesses own car; London or Home Counties. 89/23, Office of this Paper.

A **QUALIFIED** Pharmacist, 25, disengaged, seeks progressive position in Representative or administrative capacity with firm of repute; first-class experience as Medical Detail Representative and excellent Pharmaceutical training; proved interviewing ability; requisite personality; smart appearance; knowledge Anatomy, Therapeutics; resident London; experienced car driver; free for interview any time. 91/29, Office of this Paper.

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FOREWOMAN; disengaged; used to controlling large staff; good experience labelling, wrapping, etc.; good knowledge of Southall & Smith filling machines; excellent references. "M. B.," 47 Lowden Road, Herne Hill, S.E.24.

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PHARMACIST, disposing of business, seeks post of responsibility with Manufacturing or Wholesale Firm; indoors or as Representative. 90/12, Office of this Paper.

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